Tognarelli & Voigt Co.

Philadelphia

Relief
Work

very special

THE LIBRARIES

COLUMBIA UNIVERSITY

AVERY LIBRARY

Our list of Catalogues comprises the following:

Catalogue A

Mouldings, cornices, friezes, centre pieces, panelled ceilings, garlands, shields, cartouches, figures and castings of various designs, also capitals and brackets.

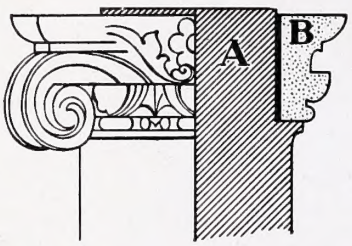
Catalogue B

Capitals
Brackets

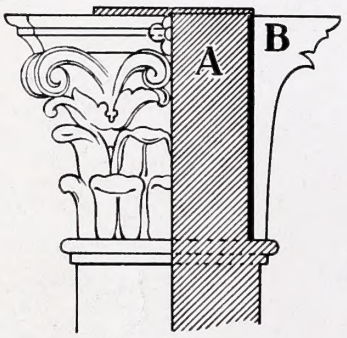
Catalogue C

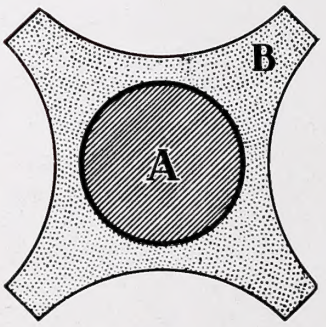
Garden furniture in cement and stone. Vases, urns, tree pots, fountains, flower boxes, benches, settees, pergola posts, pedestals and sun dials.

In addition to the designs shown in catalogue, we are fully equipped to execute orders for architects' special designs in stone carving and wood carving and making models for metal casting.



AVERY LIBRARY
COLUMBIA UNIVERSITY





A—Core extending through cap.
B—Cap.
The heavy line between A and B represents space left between core and cap.

In making core, allow for full thickness of capitals and one-eighth inch additional for margin between capital and core.

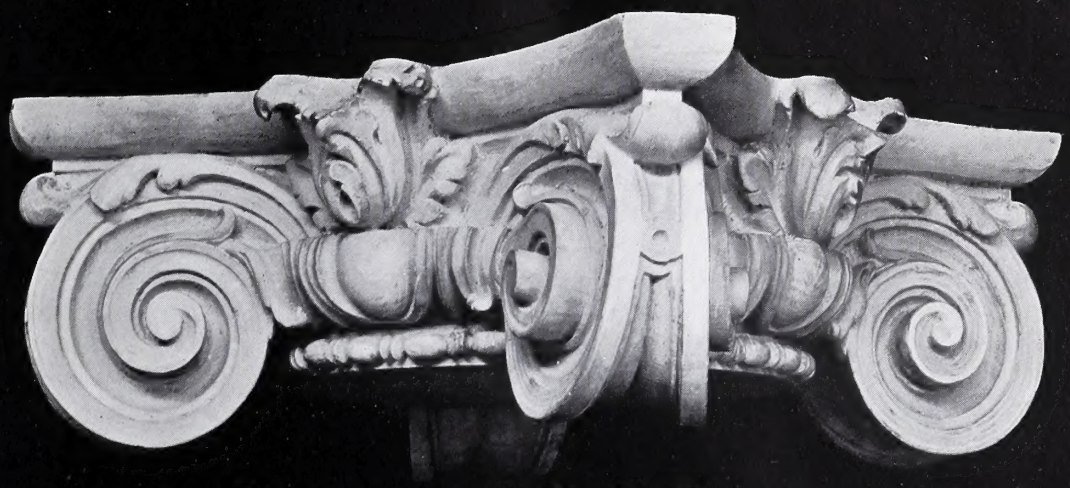
As an instance—a capital 8″ diameter requires a core $5\frac{3}{4}$″ diameter. The same rule applies to pilaster capitals.

The thickness of our casts is as follows:

Capitals 2″ to 6″, inclusive, $\frac{5}{8}$″ thick.
Capitals $6\frac{1}{4}$″ to $11\frac{3}{4}$″, inclusive, 1″ thick.
Capitals 12″ and above, $1\frac{1}{2}$″ thick.

Scamozzi capitals, page 3, we make in all sizes from $1\frac{3}{4}$″ to 27″ (see price list).

JULIAN B. SLEVIN
PRINTER
1023-25-27 RACE STREET
PHILADELPHIA, PA.



Scamozzi Col. Cap

See Price List for all Sizes

Scamozzi Pil. Cap

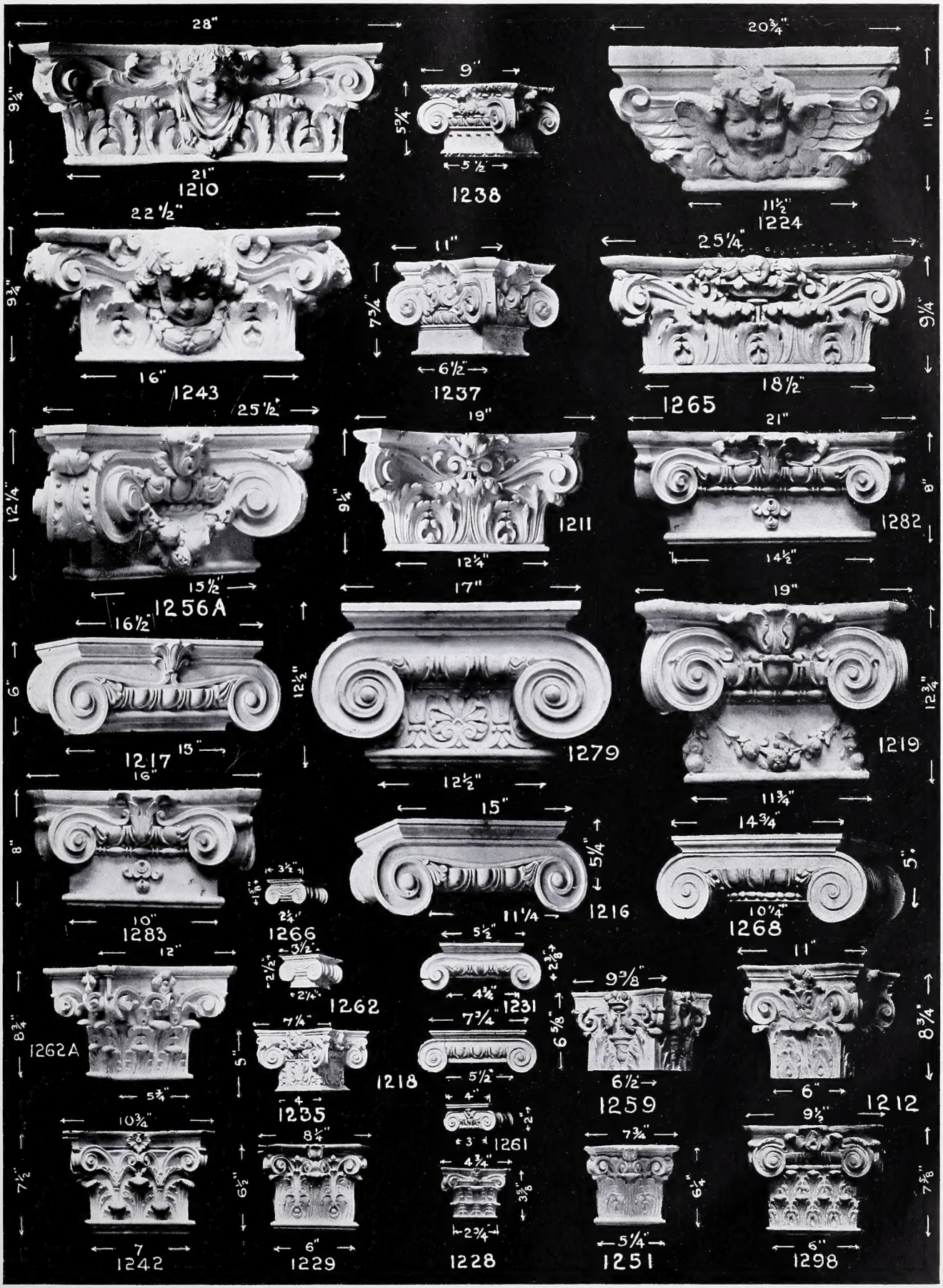
Roman Corinthian Col. Cap
1208

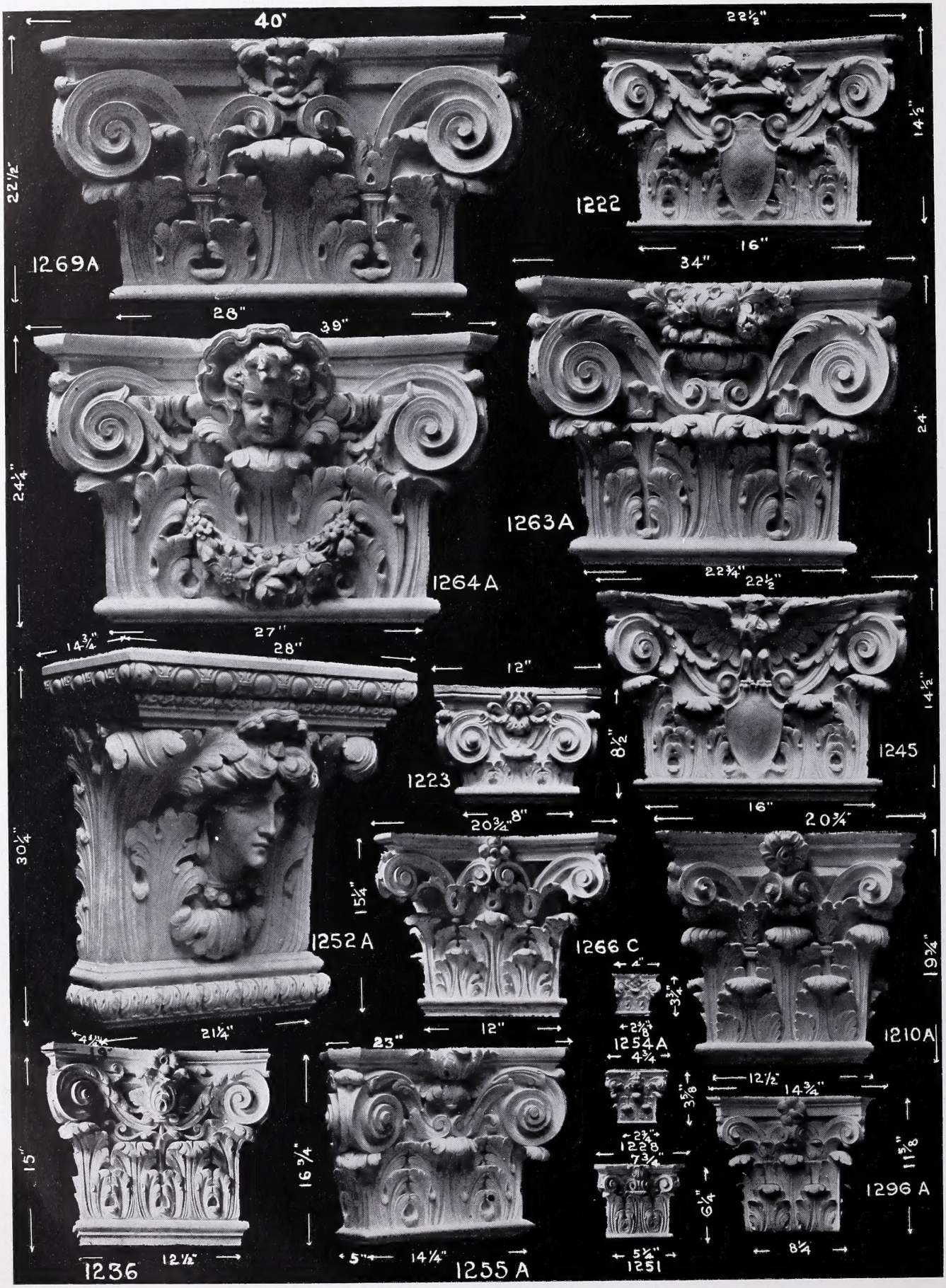
Width of Abacus	Width of Neck	Height
15"	8¼"	11½"

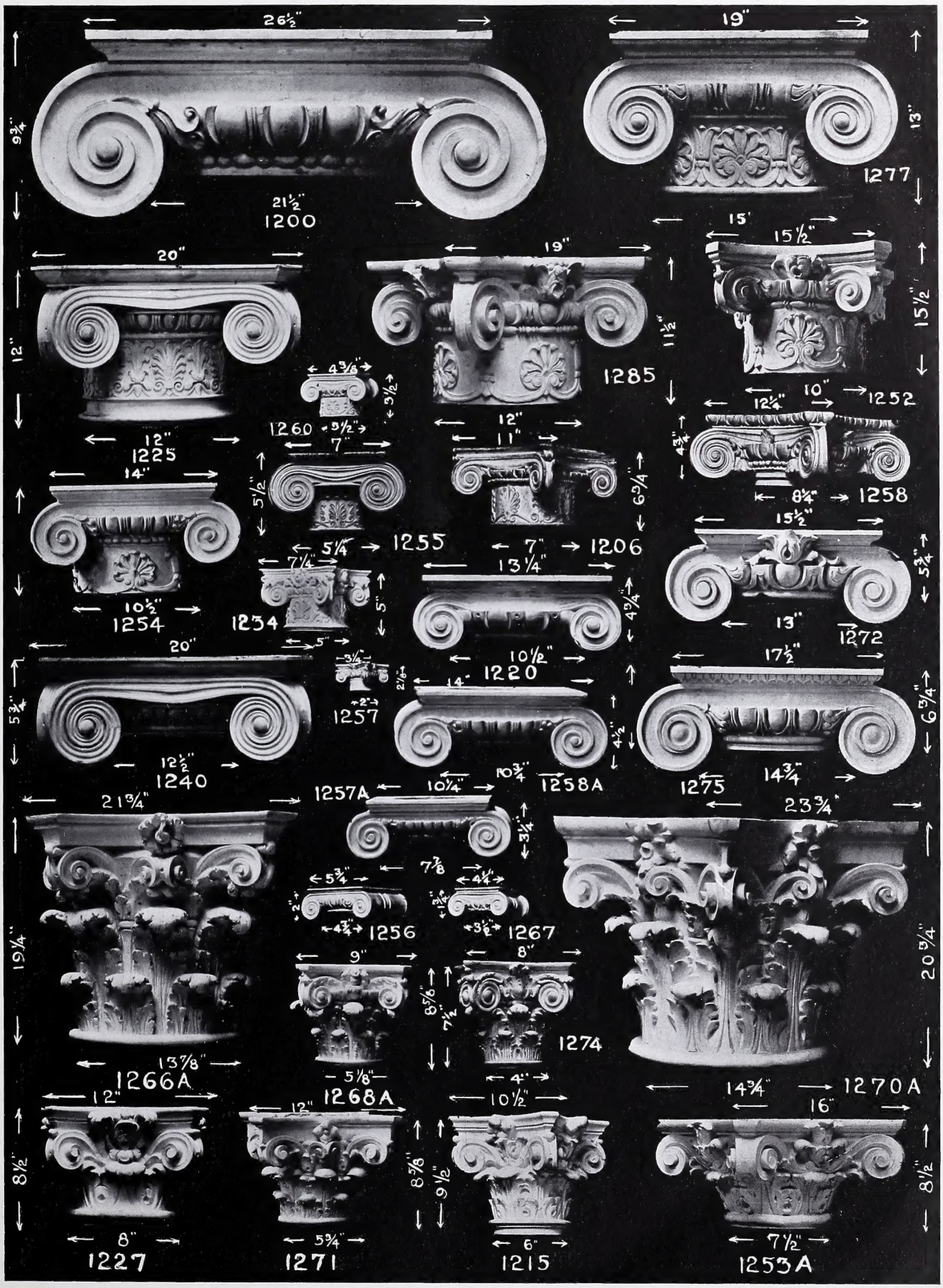
See Price List for all Sizes

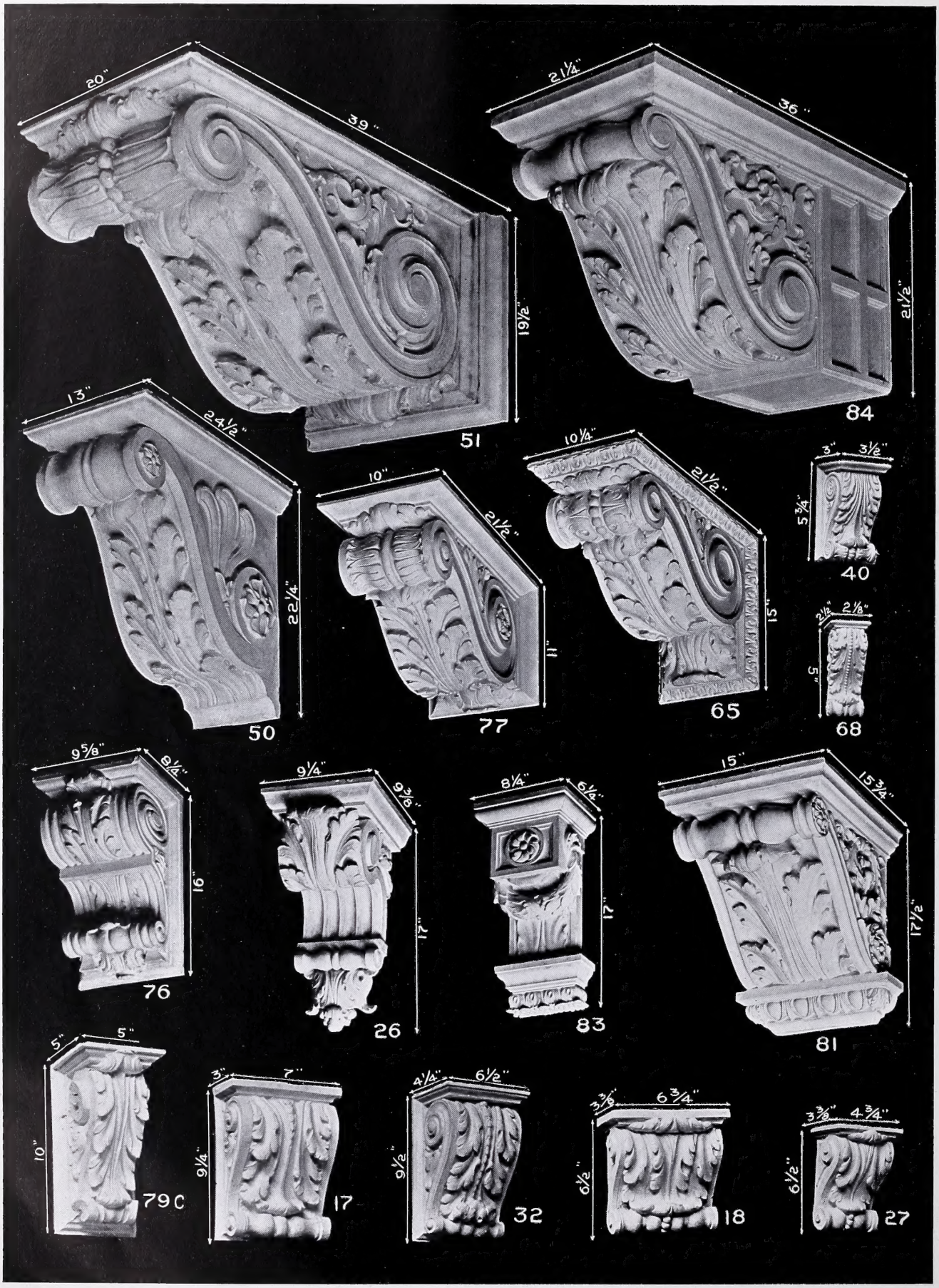
Roman Corinthian Pil. Cap
1204

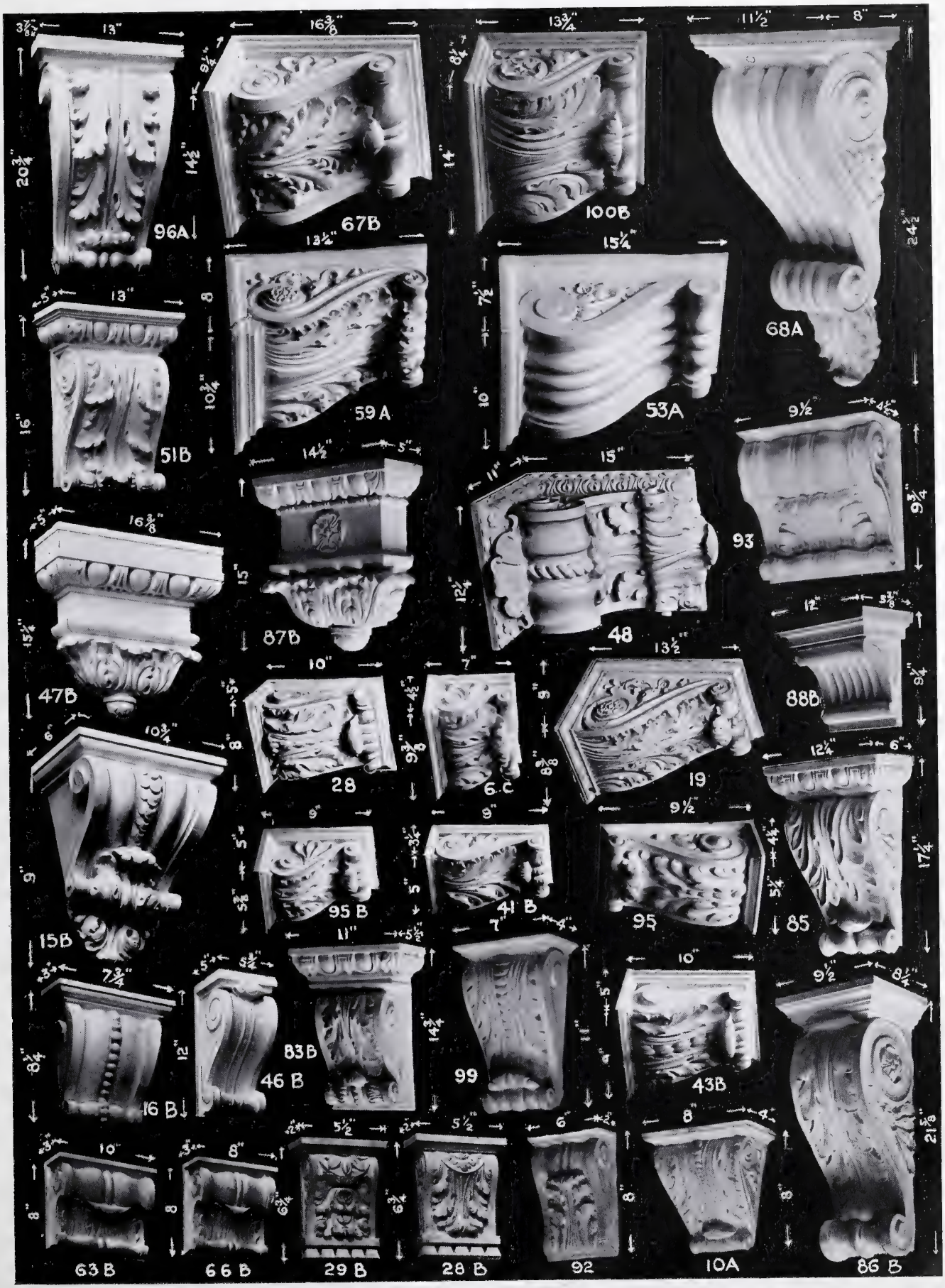
Width of Abacus	Width of Neck	Height
17 ¾"	10½"	12 ¾"


28"
9¼"
21"
1210
9"
5¾"
5½"
1238
20¾"
11"
11½"
1224
22½"
9¾"
16"
1243
11"
7¾"
6½"
1237
25¼"
9¼"
18½"
1265
25½"
12¼"
15½"
1256A
19"
9½"
12¼"
1211
21"
8"
14½"
1282
16½"
6"
1217
15"
17"
12½"
1279
12½"
19"
12¾"
1219
11¾"
16"
8"
10"
1283
15"
5¼"
11¼
1216
14¾"
5"
10¼"
1268
3½"
1⅜"
2¼"
1266
12"
8¾"
1262A
5¾"
3½"
2½"
2¼"
1262
5½"
2⅜"
4½"
1231
9⅜"
6⅝"
6½"
1259
11"
8¾"
6"
1212
7¼"
5"
4"
1235
7¼"
5½"
1218
4"
2"
3"
1261
10¾"
7½"
7
1242
8¼"
6½"
6"
1229
4¾"
3⅜"
2¾"
1228
7¾"
6¼"
5¼"
1251
9½"
7⅝"
6"
1298


40"
22½"
22½"
14½"
1222
16"
34"
1269A
28"
39"
24"
24¼"
1263A
1264A
22¾"
22½"
27"
14¾"
28"
12"
14½"
8½"
1223
1245
16"
20¾"
20¾"
8"
30¼"
15¼"
1252A
1266C
4"
3¾"
2⅝"
1254A
4¾"
19¾"
1210A
21¼"
12"
4½"
23"
3⅝"
12½"
14¾"
2¾"
1228
7¾"
15"
16¾"
11⅝"
6¼"
1296A
1236
12½"
5"
14¼"
1255A
5½"
1251
8¼"


26½"
9¾"
21½"
1200
19"
13"
1277
20"
12"
1225
19"
11½"
1285
15"
15½"
15½"
4⅜"
3½"
1260
9½"
7"
12"
11"
12¼"
10"
1252
4¾"
8¼"
1258
14"
10½"
1254
5½"
7"
1255
7"
1206
7¼"
5"
1234
13¼"
15½"
5¾"
13"
1272
5"
3¼"
2½"
2"
1257
10½"
1220
4¾"
20"
5¾"
14"
12½"
1240
10¼"
10¾"
1258A
17½"
6¾"
4½"
1275
14¾"
1257A
21¾"
23¾"
3¼"
7⅞"
5¾"
4¼"
2"
1"
4¾"
1256
3½"
1267
9"
8"
19¼"
8⅝"
7¼"
1274
20¾"
13⅞"
1266A
5⅛"
1268A
4"
10½"
14¾"
1270A
16"
12"
12"
8½"
8⅝"
9½"
8"
1227
5¾"
1271
6"
1215
7½"
1253A


20"
39"
19½"
51
21¼"
36"
21½"
84
13"
24½"
22¼"
50
10"
2½"
11"
77
10¼"
2½"
15"
65
3"
3½"
5¾"
40
2½"
2⅛"
5"
68
9⅝"
9¼"
16"
76
9¼"
9⅜"
21"
26
8¼"
6¼"
21"
83
15"
15¾"
21"
81
5"
5"
10"
79C
3"
7"
9¼"
17
4¼"
6½"
9½"
32
3⅜"
6¾"
6½"
18
3⅜"
4¾"
6½"
27

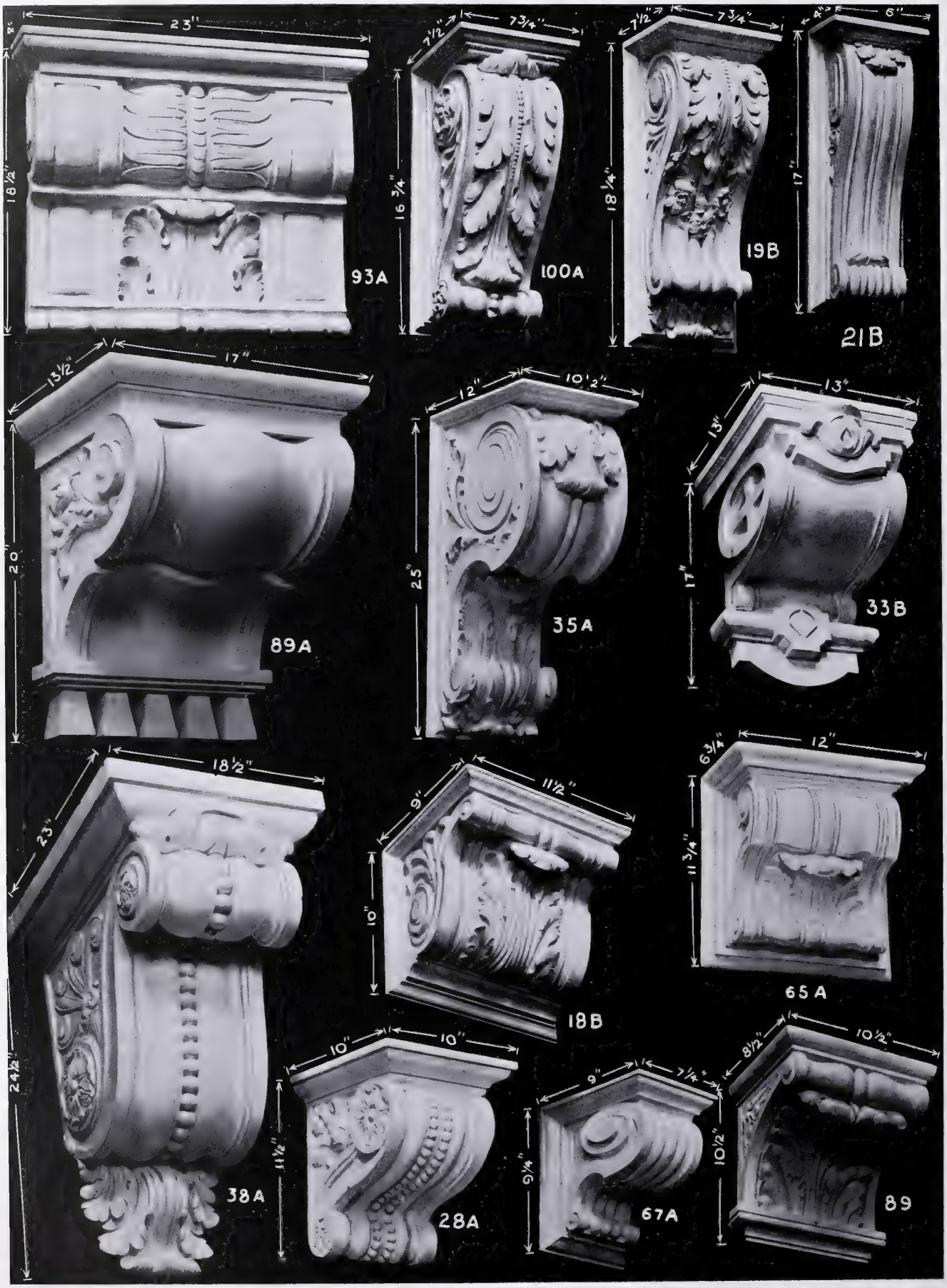

96A
67B
100B
68A
59A
53A
51B
87B
48
93
47B
28
6-C
19
88B
95B
41B
95
85
15B
16B
83B
46B
99
43B
63B
66B
29B
28B
92
10A
86B

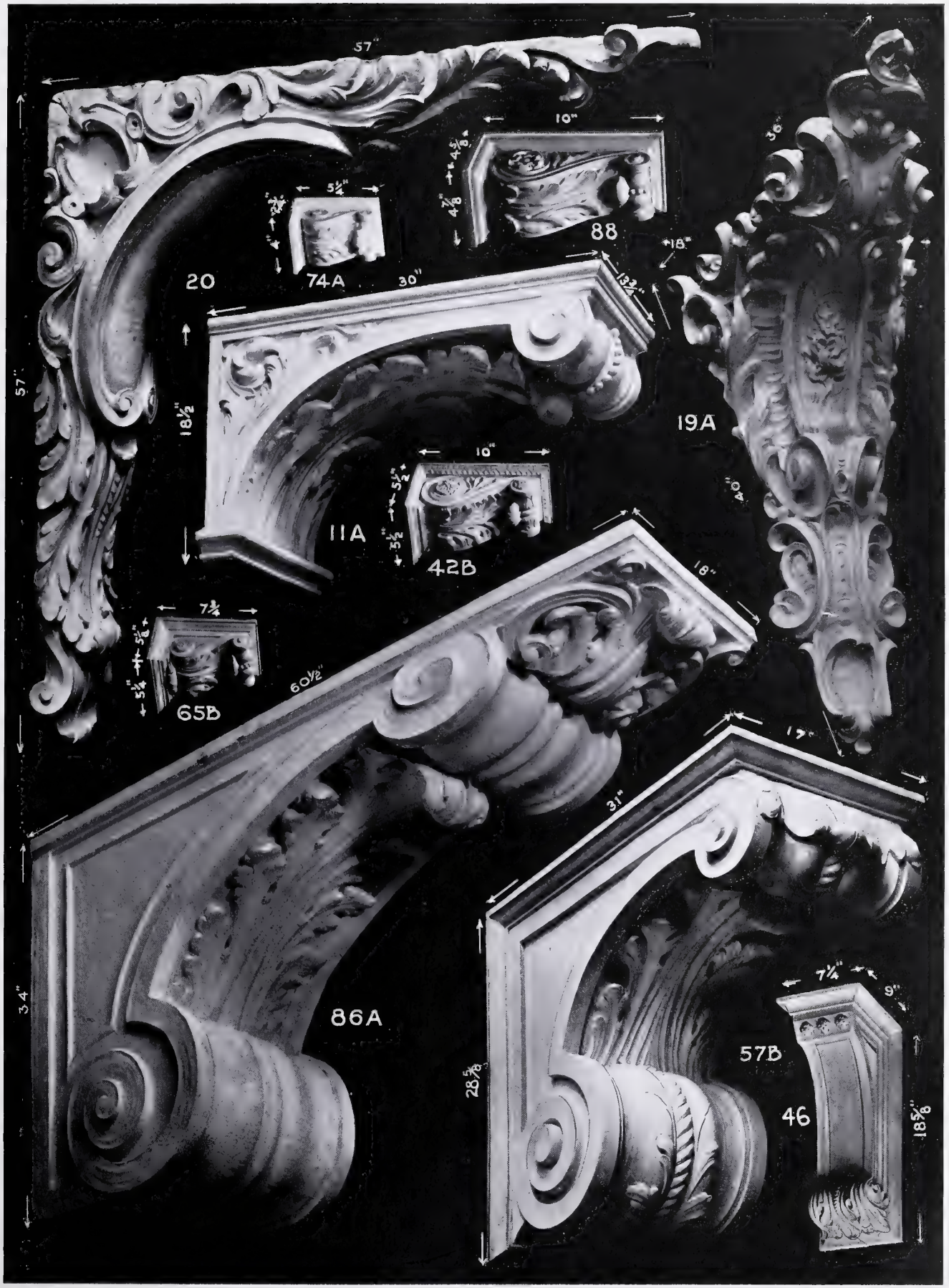
29"
11"
12¾"
81A
8½"
2½"
5"
66
23¾"
14"
25¼"
88A
19½"
8"
12¾"
80A
10½"
7¾"
7"
61A
15"
10½"
14"
63A
14"
11"
11"
99A
15¼"
7½"
10½"
82
9"
5"
4"
67
15¾"
9⅜"
12½"
17A
9¾"
3⅝"
6¼"
36
9"
4½"
7"
95A
5½"
7"
19"
94A
5¾"
3⅜"
2¾"
68
10"
6¼"
6½"
15A
8¾"
8½"
5⅜"
96
12¾"
14"
31B

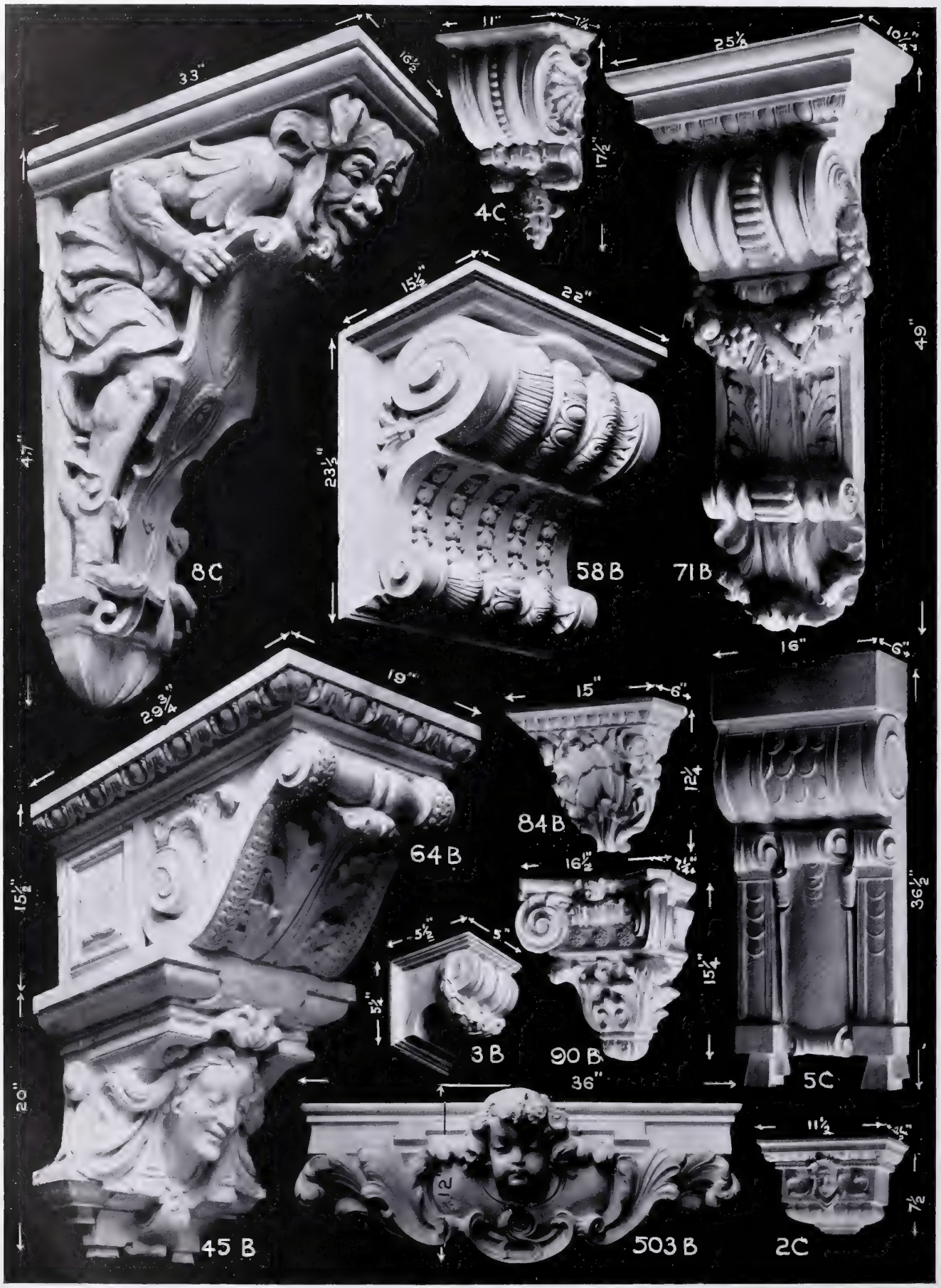
30 B
7B
74 A
33
33A
12B
8B
76A
57A
62A
11B
38
27B
26B
35
39
87A
37
5B
14B
60
6B
59
13B
75A
4B
7A
10B
9B
3A
77A

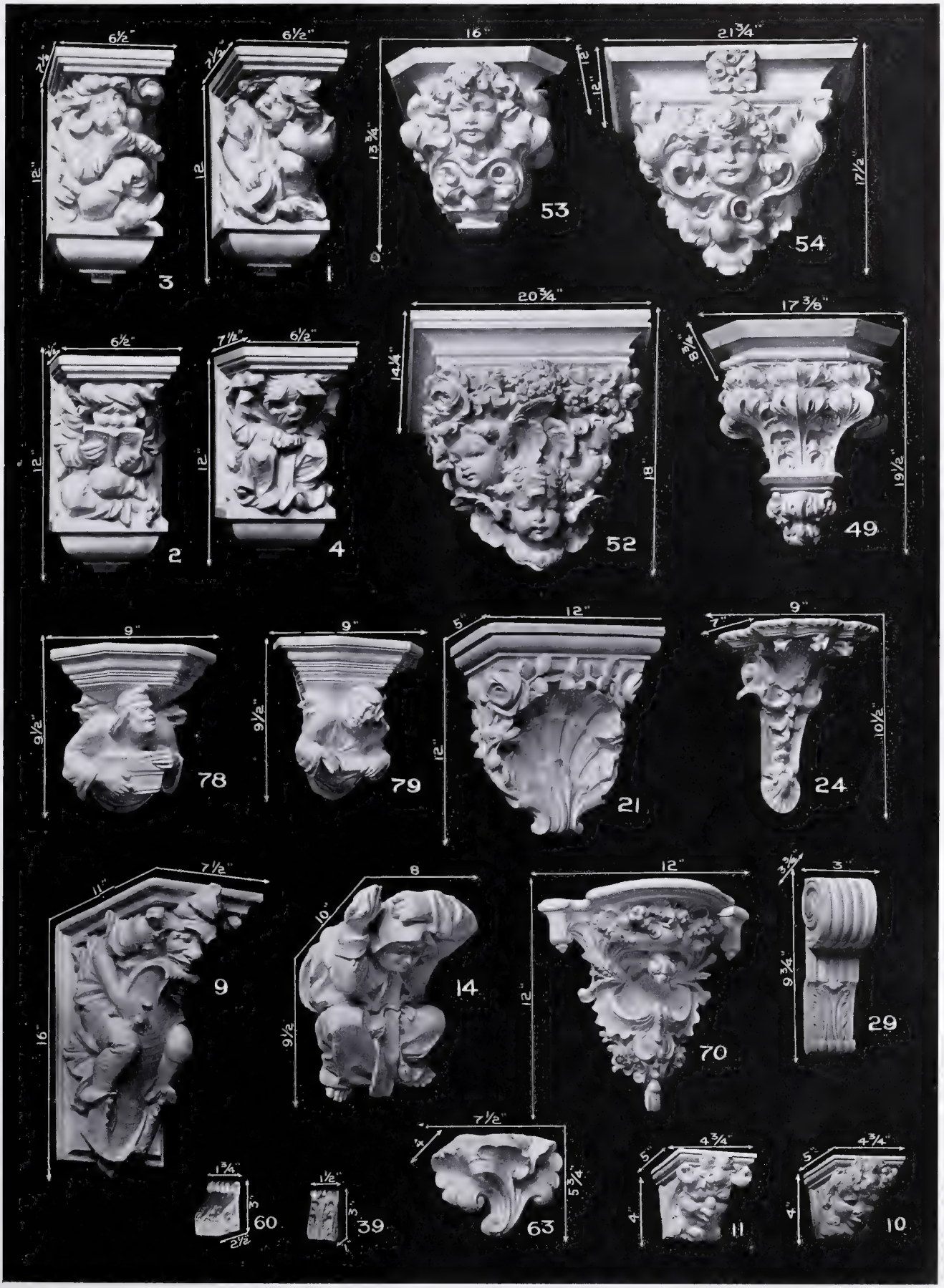
73B
99B
16A
20B
56B
74B
93B
23
48B
47
72A
92B
78B
75
94B
13
25

18"
23"
44"
86
5 3/4"
3 1/2"
9A
11"
8"
11"
55B
11"
11 1/2"
5"
4"
17B
8 1/4"
44A
45A
3 1/2"
11"
90A
7 3/4"
8 1/4"
60A
9 1/2"
7 3/4"
25 3/4"
56A
6"
6 5/8"
16"
98A
42A
13 1/4"
5 1/2"
13 1/2"
1C
7 1/2"
7 1/4"
15 1/4"
26A

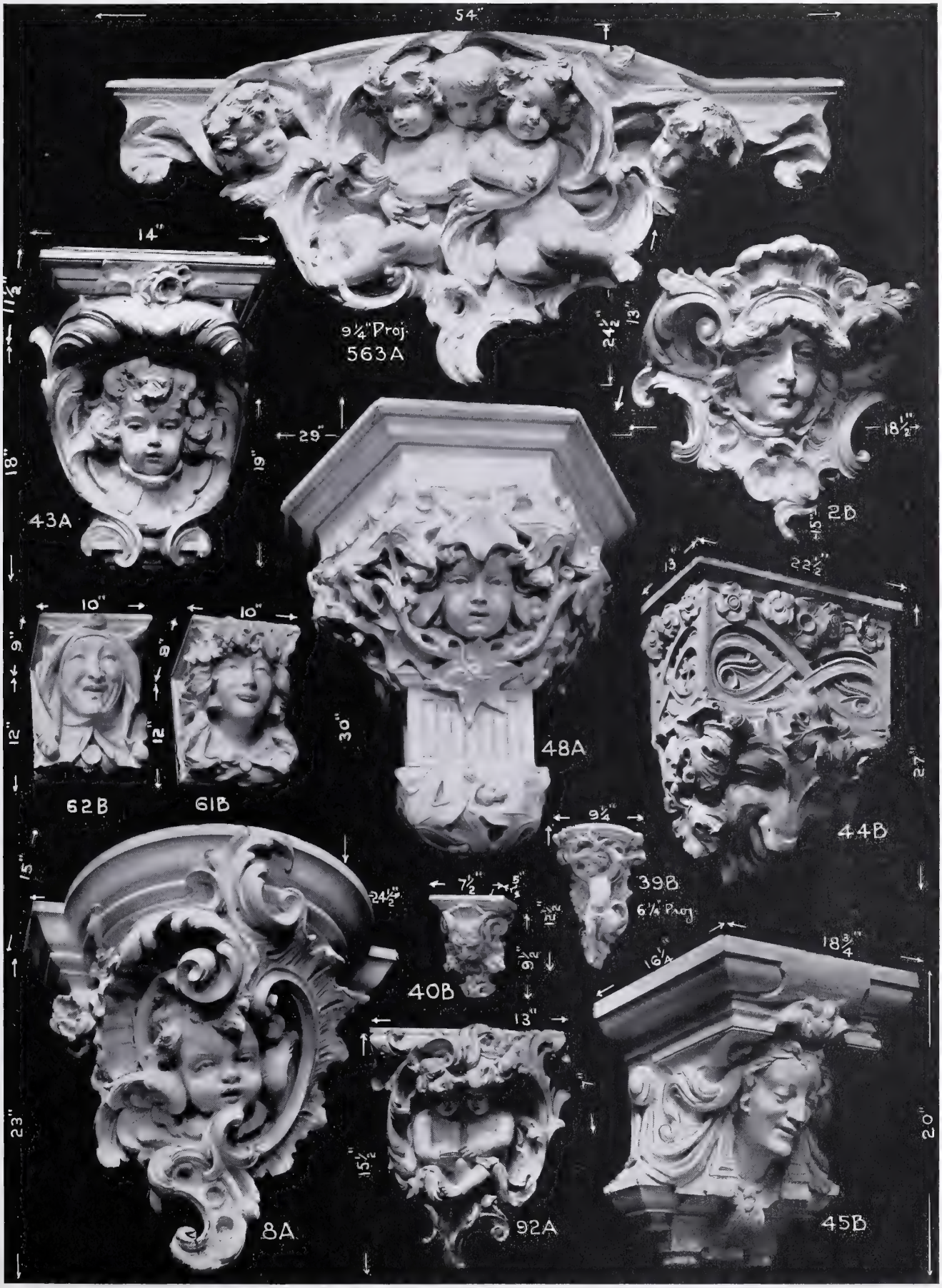

23"
18½"
93A
7½"
7¾"
16¾"
100A
7½"
7¾"
18¼"
19B
4"
6"
17"
21B
13½"
17"
20"
89A
12"
10½"
25"
35A
13"
13"
17"
33B
18½"
23"
24½"
38A
9"
11½"
10"
18B
6¾"
12"
11¾"
65A
10"
10"
11½"
28A
9"
7¼"
9½"
67A
8½"
10½"
10½"
89


57"
10"
4⅝"
4⅝"
88
5½"
2⅜"
4"
74A
20
30"
13¾"
18"
57"
18½"
19A
10"
5½"
5½"
11A
42B
36"
18"
7¼
5¼"
5¼"
65B
60½"
17"
31"
34"
86A
28⅝"
7¼"
9"
57B
46
18⅝"

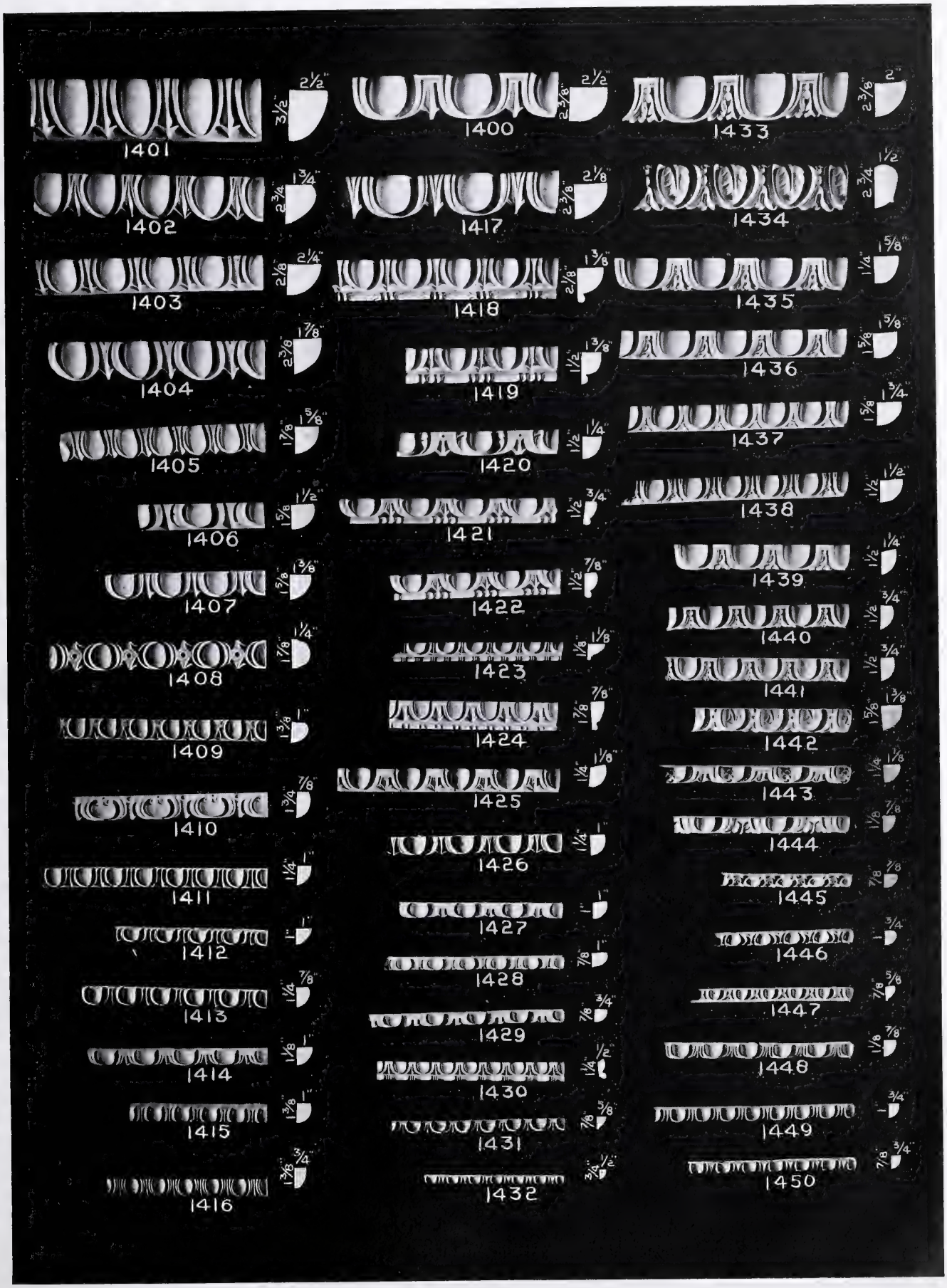

33"
16½"
47"
8C
11"
17½"
4C
15½"
22"
23½"
58B
25½
10¼"
49"
71B
29¾"
19"
64B
15"
6"
12¼
84B
16"
6"
36½"
5C
16½"
7¼"
15¼"
5½"
5"
5¼"
3B
90B
20"
36"
45B
12
503B
11½
7½
2C

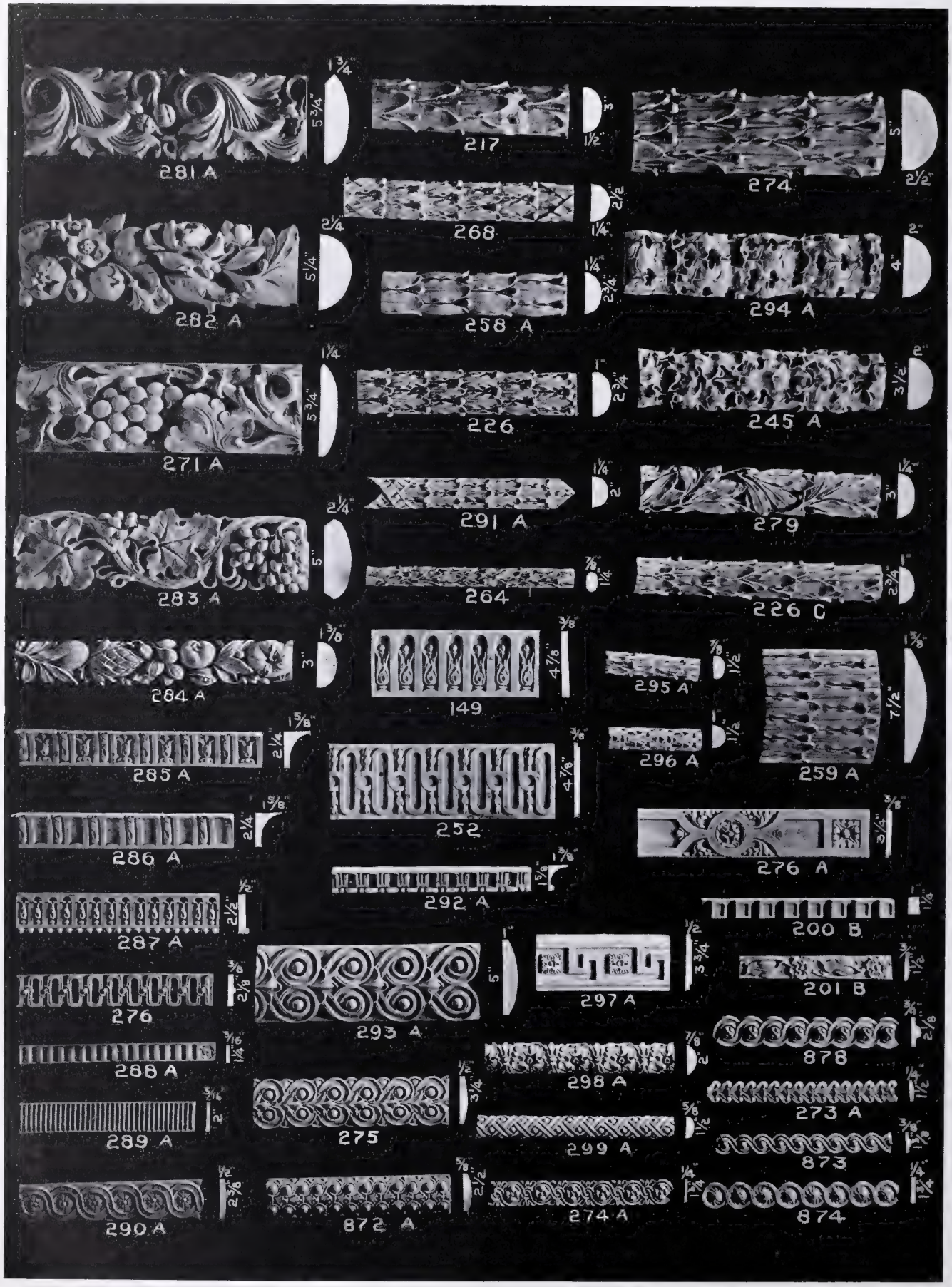

6½"
12"
3
6½"
12
1
16"
13¾"
53
21¾"
12"
17½"
54
6½"
12"
2
7½"
6½"
12"
4
20¾"
14¼"
18"
52
17⅜"
8¾"
19½"
49
9"
9½"
78
9"
9½"
79
12"
5"
12"
21
9"
7"
10½"
24
7½"
11"
16"
9
8
10"
9½"
14
12"
12"
70
3"
3"
9¾"
29
1¾"
3"
2½
60
1½"
3"
39
7½"
4"
5¾"
63
4¾"
5"
4"
11
4¾"
5"
4"
10

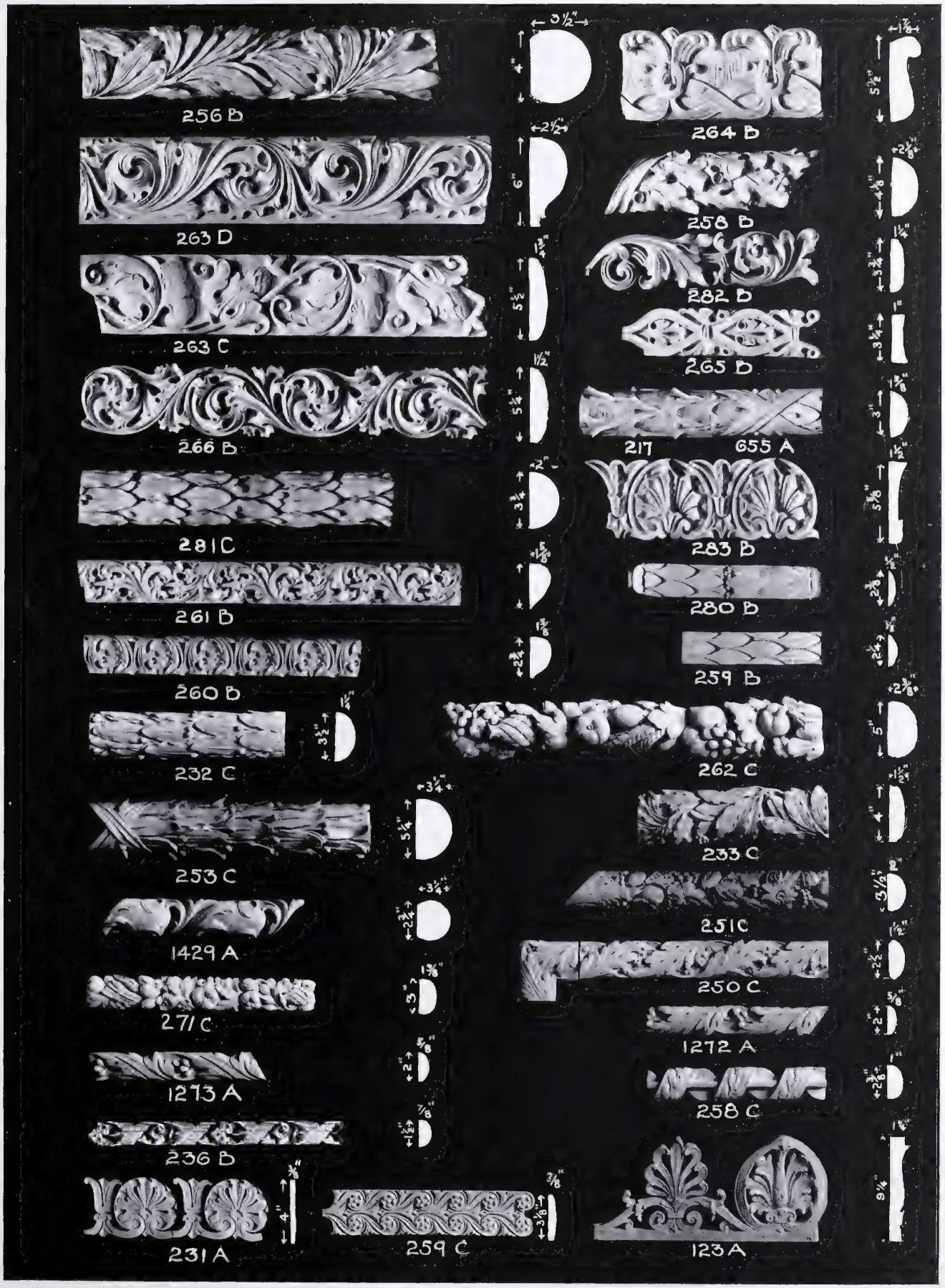
20A
87
47A
90
91
100
21A
1293
24A
50A
46A
32B
51A
52A
23A
22A
29A
70A
30A
60B
37B
38B
31A

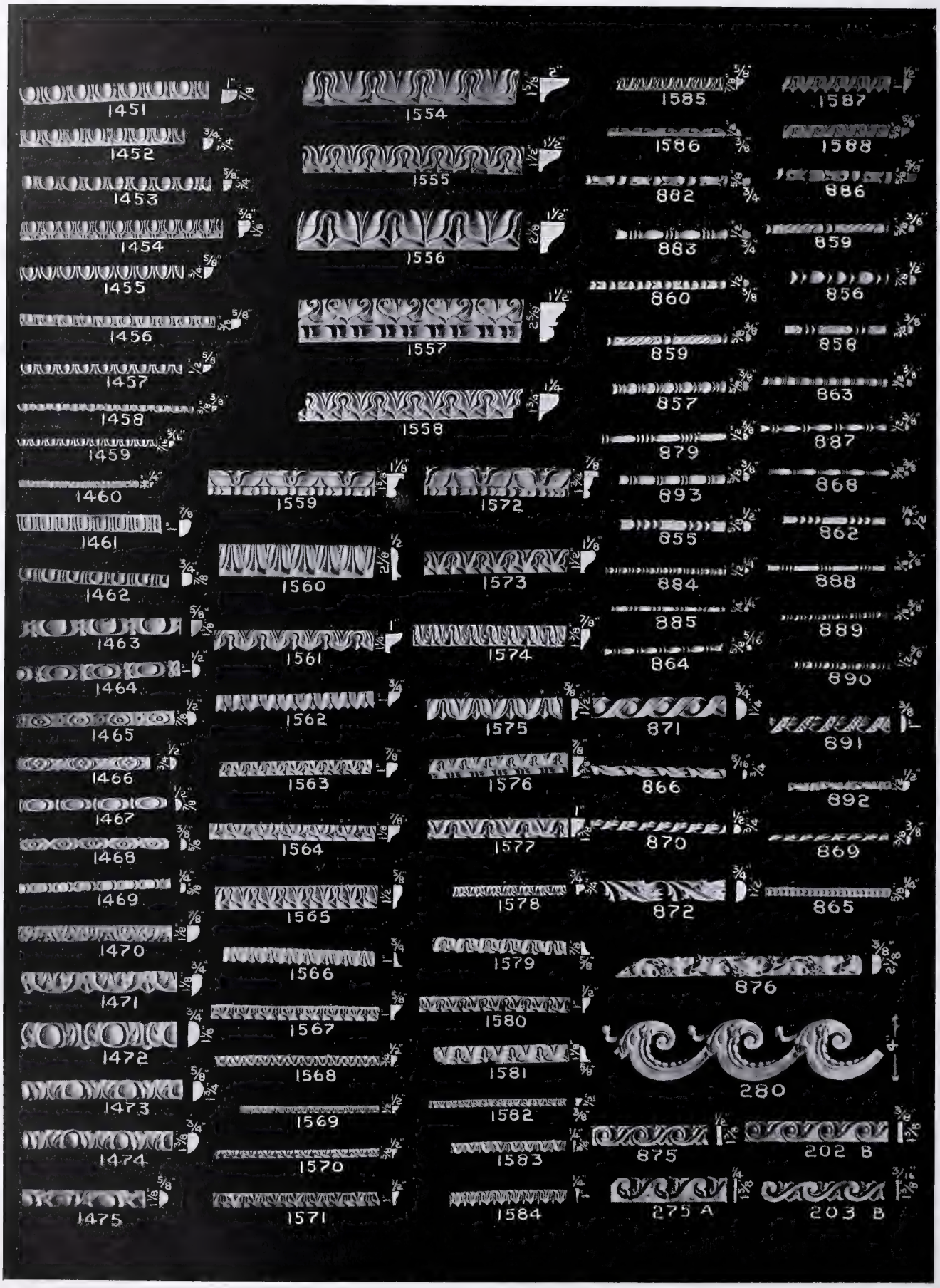

54"
9¼" Proj.
563A
14"
18"
43A
29"
30"
48A
24½"
13"
18½"
2D
15"
13"
22½"
27"
44B
10"
9"
12"
62B
10"
9"
12"
61B
9¼"
6¼ Proj.
39B
15"
24½"
23"
8A
7½"
5"
2½"
9½"
40B
13"
15½"
92A
18¾"
16¼"
20"
45B

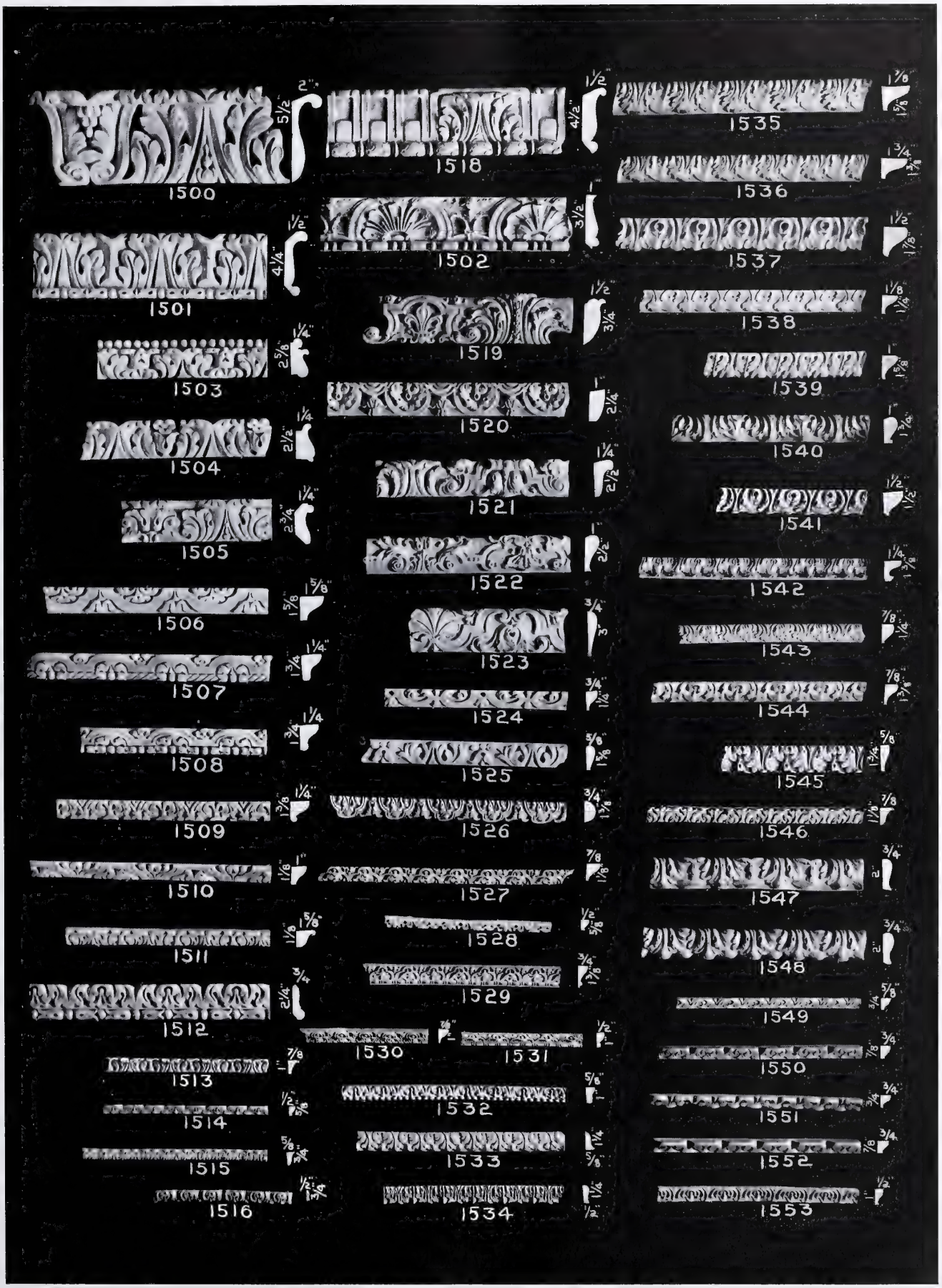
1476
1493
1494
1483
1418 A
1497
1481
1498
1482
1496
1400 A
1403 A
1408 A
1409 A
1410 A
1411 A
1412 A
1413 A
1419 A
1420 A
1421 A
1422 A
1492
1486
1487
1489
1488
1490
1491
1401 A
1423 A
1425 A
1427 A
1424 A
1426 A
1499
260 C
256 C
255 C
257 C
809 B
877 A
1479
1565 A
1566 A
1567 A
1568 A
1569 A
1570 A
1571 A
896
898
897
899
800 A
801 A
876 A
804 A
802 A
803 A
805 A
239 B
238 B
237 C
258
1402 A
1428 A
1480


1401
1400
1433
1402
1417
1434
1403
1418
1435
1404
1419
1436
1405
1420
1437
1406
1421
1438
1407
1422
1439
1408
1423
1440
1409
1424
1441
1410
1425
1442
1411
1426
1443
1412
1427
1444
1413
1428
1445
1414
1429
1446
1415
1430
1447
1416
1431
1448
1432
1449
1450

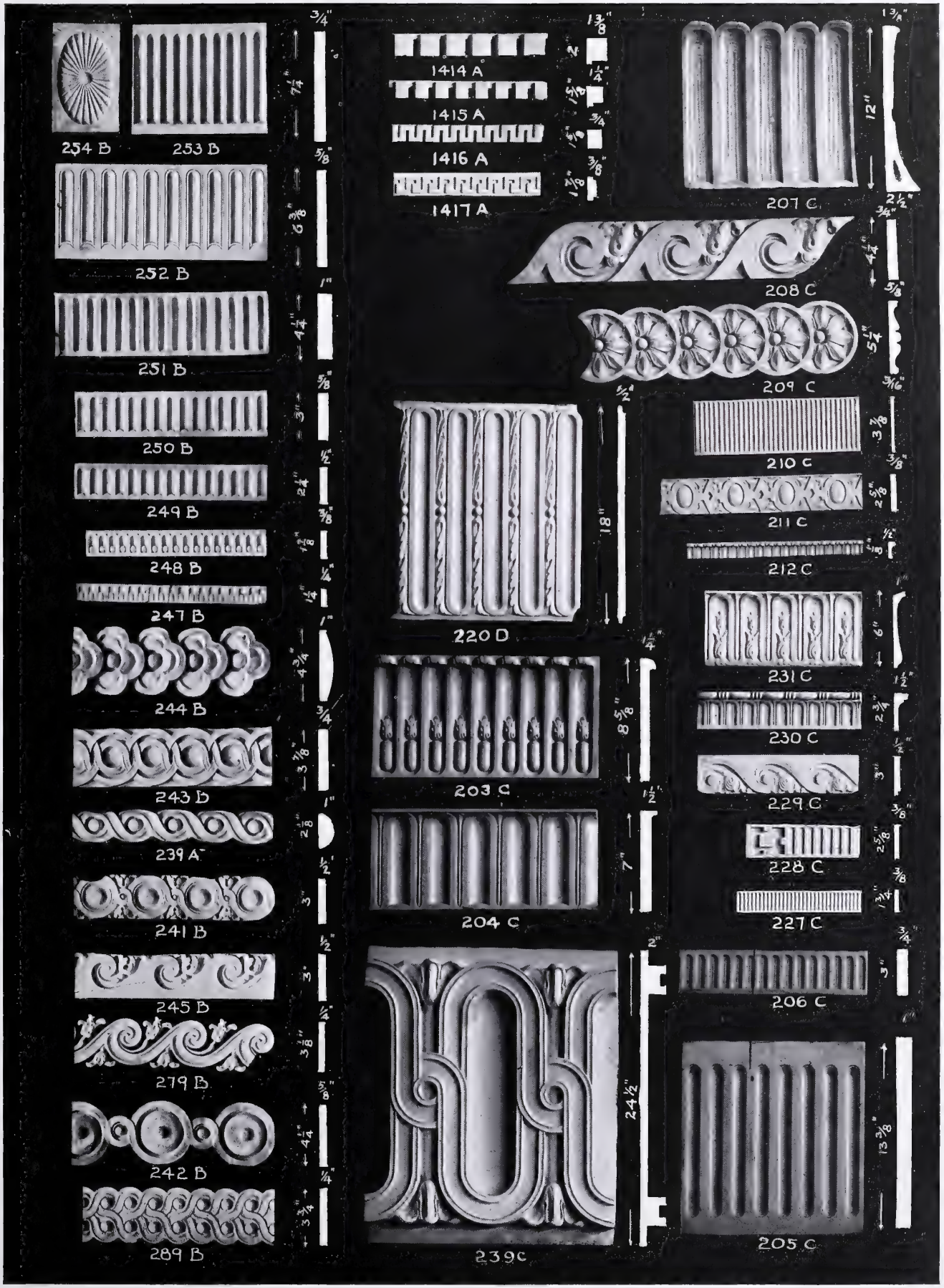

281 A
217
274
268
282 A
258 A
294 A
271 A
226
245 A
291 A
279
283 A
264
226 C
284 A
149
295 A
259 A
285 A
296 A
252
286 A
276 A
292 A
287 A
200 B
201 B
276
293 A
297 A
878
288 A
298 A
273 A
289 A
275
299 A
873
290 A
872 A
274 A
874

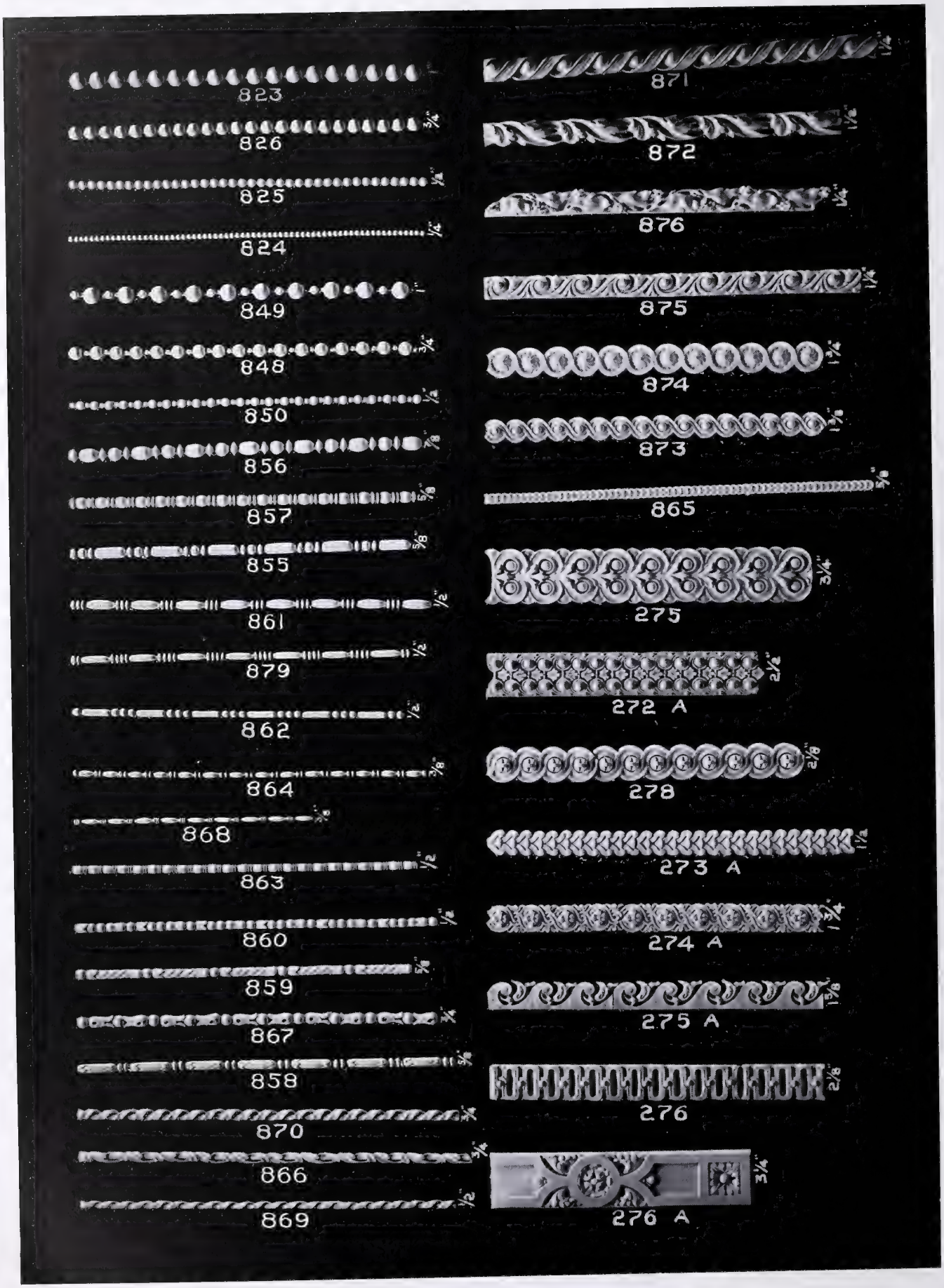

256 B
263 D
263 C
266 B
281 C
261 B
260 B
232 C
253 C
1429 A
271 C
1273 A
236 B
231 A
259 C
264 B
258 B
282 B
265 B
217
G55 A
283 B
280 B
259 B
262 C
233 C
251 C
250 C
1272 A
258 C
123 A

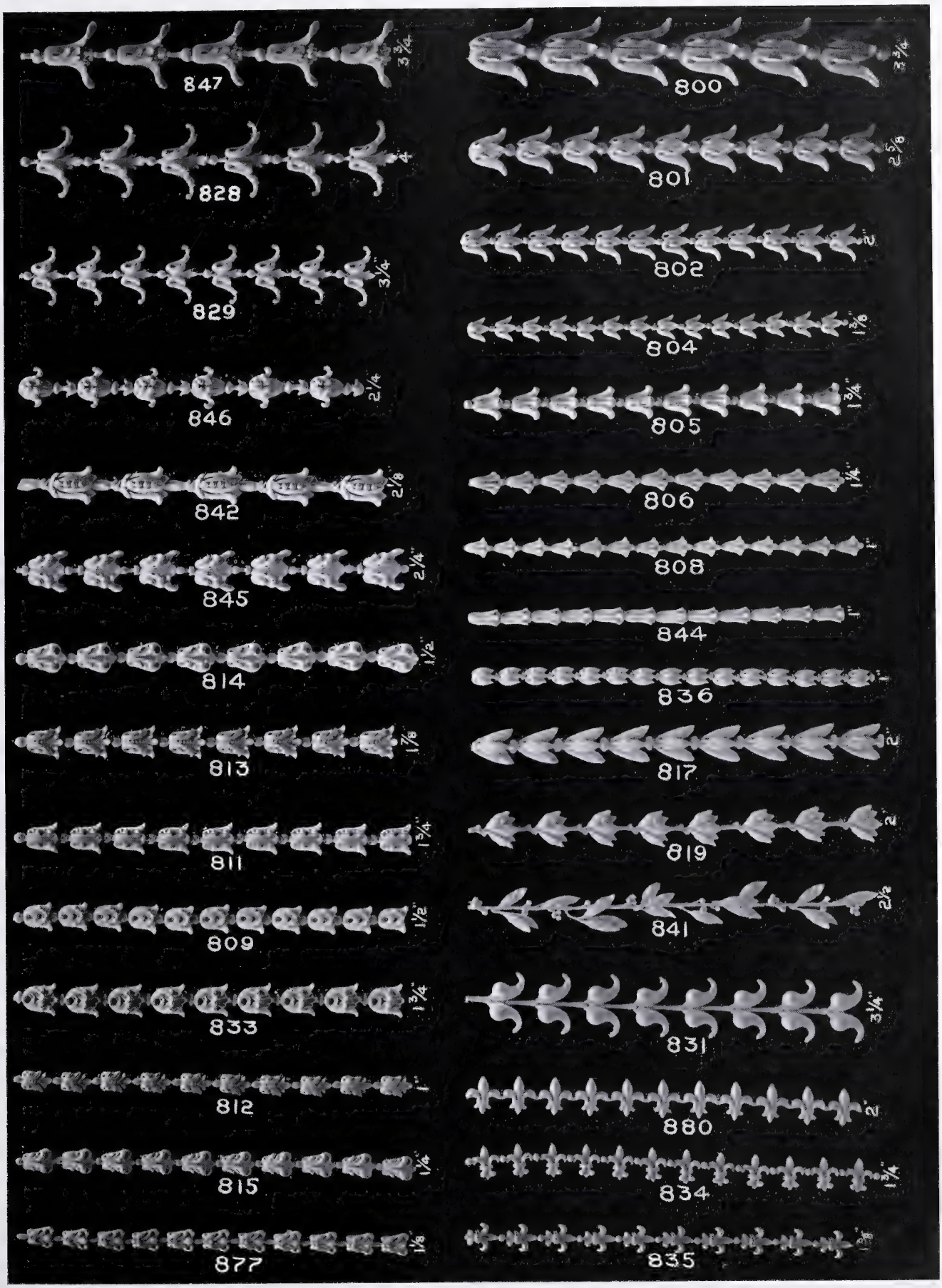

1451
1452
1453
1454
1455
1456
1457
1458
1459
1460
1461
1462
1463
1464
1465
1466
1467
1468
1469
1470
1471
1472
1473
1474
1475
1554
1555
1556
1557
1558
1559
1560
1561
1562
1563
1564
1565
1566
1567
1568
1569
1570
1571
1572
1573
1574
1575
1576
1577
1578
1579
1580
1581
1582
1583
1584
1585
1586
882
883
860
859
857
879
893
855
884
885
864
871
866
870
872
876
280
875
275 A
1587
1588
886
859
856
858
863
887
868
862
888
889
890
891
892
869
865
202 B
203 B

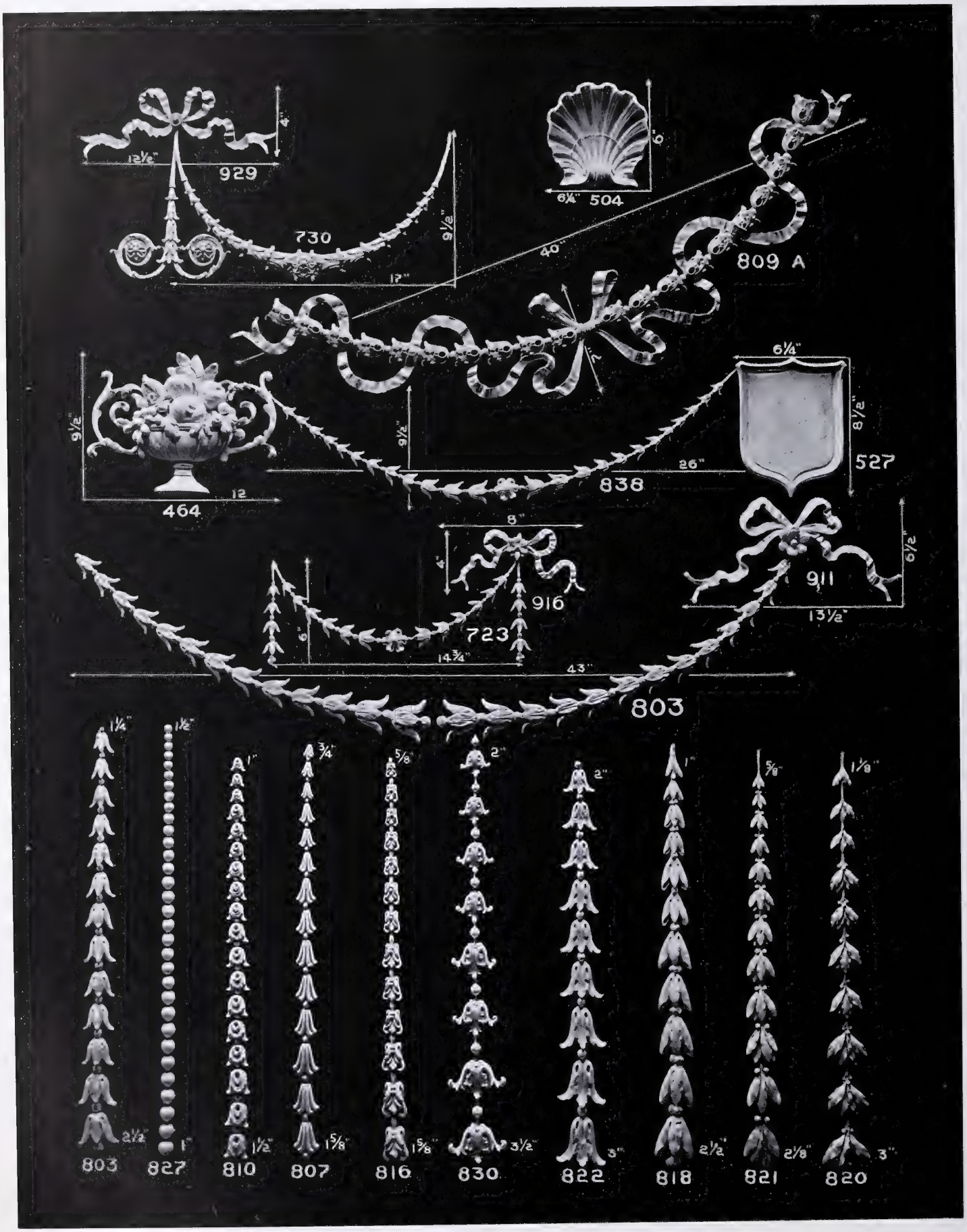

1500
1501
1502
1503
1504
1505
1506
1507
1508
1509
1510
1511
1512
1513
1514
1515
1516
1518
1519
1520
1521
1522
1523
1524
1525
1526
1527
1528
1529
1530
1531
1532
1533
1534
1535
1536
1537
1538
1539
1540
1541
1542
1543
1544
1545
1546
1547
1548
1549
1550
1551
1552
1553

1505 A
1521 A
1503 A
1512 A
1513 A
1509 A
1518 A
1516 A
1514 A
1511 A
1515 A
1537 A
1538 A
1539 A
1540 A
1541 A
1542 A
1543 A
1544 A
1545 A
1546 A
1526 A
1590
1517
1502 A
1501 A
1504 A
1523 A
1506 A
1510 A
1554 A
1551 A
1553 A
1552 A
1550 A
1549 A
1548 A
1522 A
1520 A
1519 A
1517 A
1527 A
1528 A
1529 A
1530 A
1532 A
1533 A
1534 A
1535 A
1536 A
1555 A
1556 A
1557 A
1558 A
1559 A
1560 A
1561 A
1562 A
1563 A
1564 A
1574 A

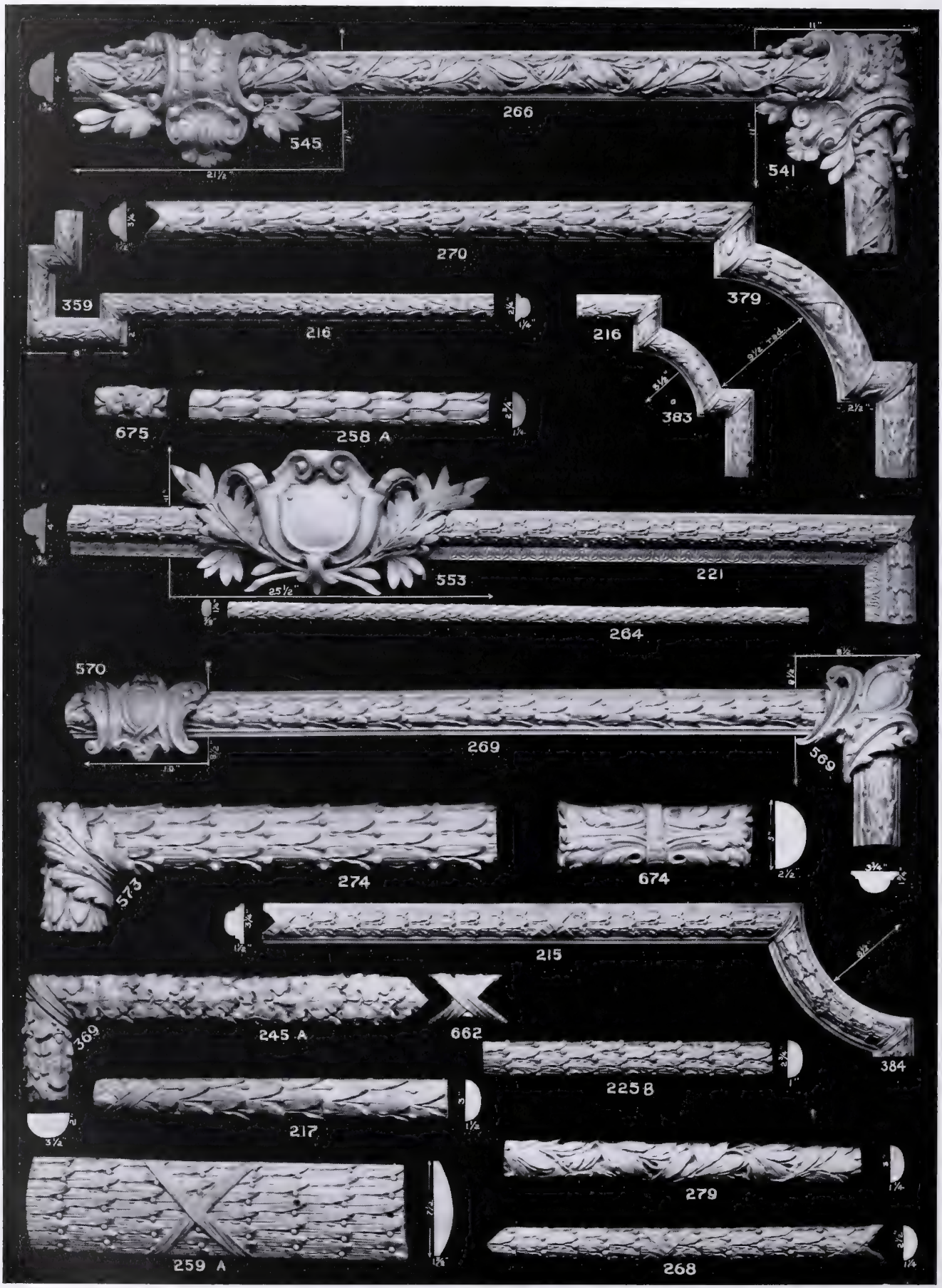

254 B
253 B
252 B
251 B
250 B
249 B
248 B
247 B
244 B
243 B
239 A
241 B
245 B
279 B
242 B
289 B
1414 A
1415 A
1416 A
1417 A
220 D
203 C
204 C
239 C
207 C
208 C
209 C
210 C
211 C
212 C
231 C
230 C
229 C
228 C
227 C
206 C
205 C

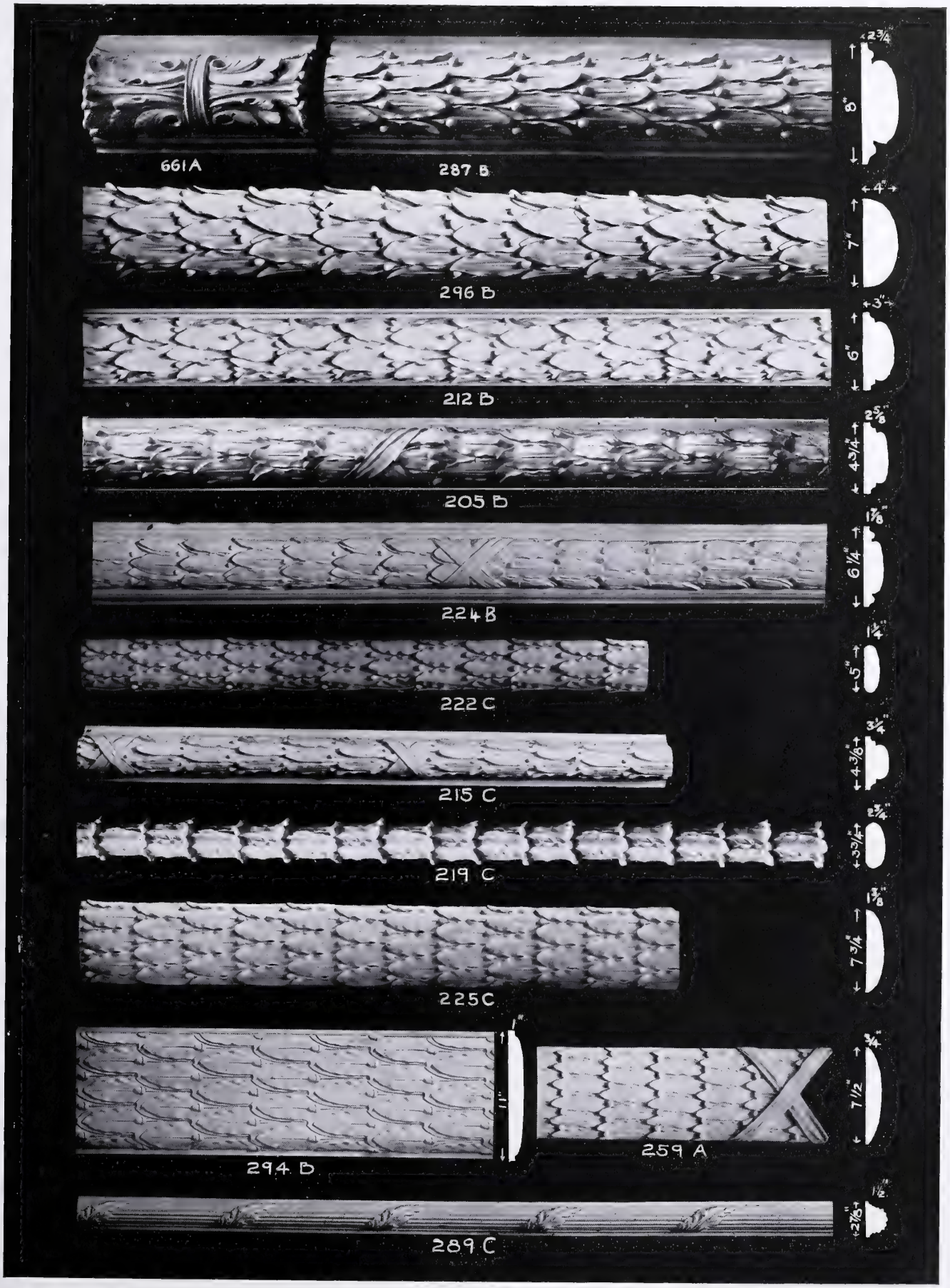

823
826
825
824
849
848
850
856
857
855
861
879
862
864
868
863
860
859
867
858
870
866
869
871
872
876
875
874
873
865
275
272 A
278
273 A
274 A
275 A
276
276 A


847
3¾"
828
4"
829
3¼"
846
2¼"
842
2⅛"
845
2¼"
814
1½"
813
1⅞"
811
1¾"
809
1½"
833
1¾"
812
1"
815
1¼"
877
⅛"
800
3¾"
801
2⅝"
802
2"
804
1⅜"
805
1¾"
806
1¼"
808
1"
844
1"
836
1"
817
2"
819
2"
841
2½"
831
3¼"
880
2"
834
1¾"
835
2"


929
730
504
809 A
838
527
464
916
723
911
803
827
810
807
816
830
822
818
821
820

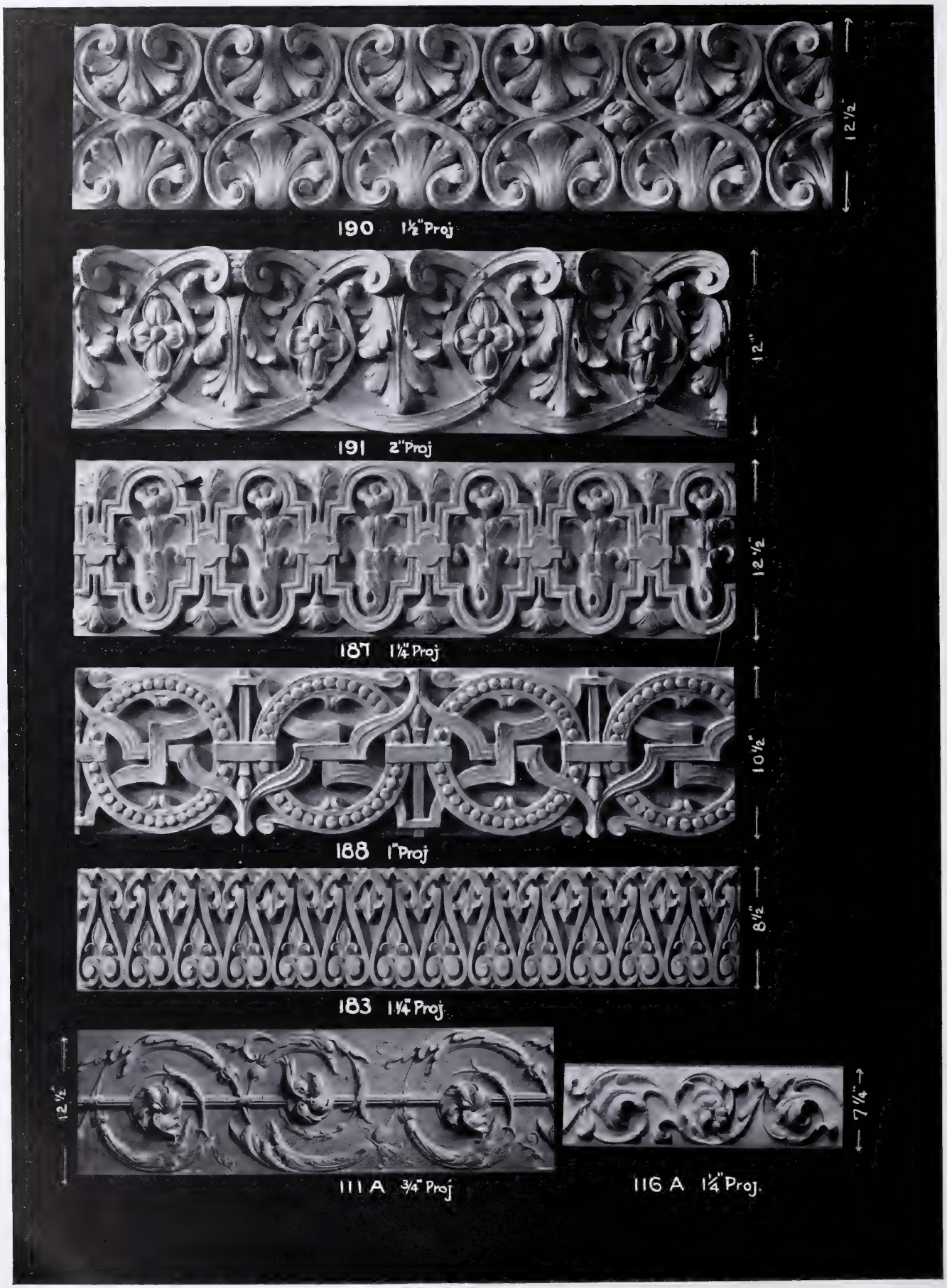
237 B
37"
12"
40"
9"
236 A
248 A
29"
11½"
249 A
26"
213 A
12"
2½"
240
14"
3½"
240 A
207 A
6"
4½"
233 A
43"
10"
223 A
14½"
8"
204 A
8"
5½"
232 A
222 A
206 A
5½"
4½"
246
16"
15½"
4"
5½"
289
9½"
5"
24½"
7½"
282
287
9"
7"
283
24"
4½"
214 A
9"
4"
281
24"
5"
243
19"
3½"
239
18"
2½"
245
18"
2¼"
248
6½"
2"
260 A
11"
3"
212 A
6"
211 A
210 A
202 A
7½"
3½"
238
18"
2½"
4¼"
3"
285
7"
5"
299
14"
2½"
292
6"
5½"
4¾"
295
296
237
22"
3½"
201 A
200 A
297
8½"
4"
293
6"
4"

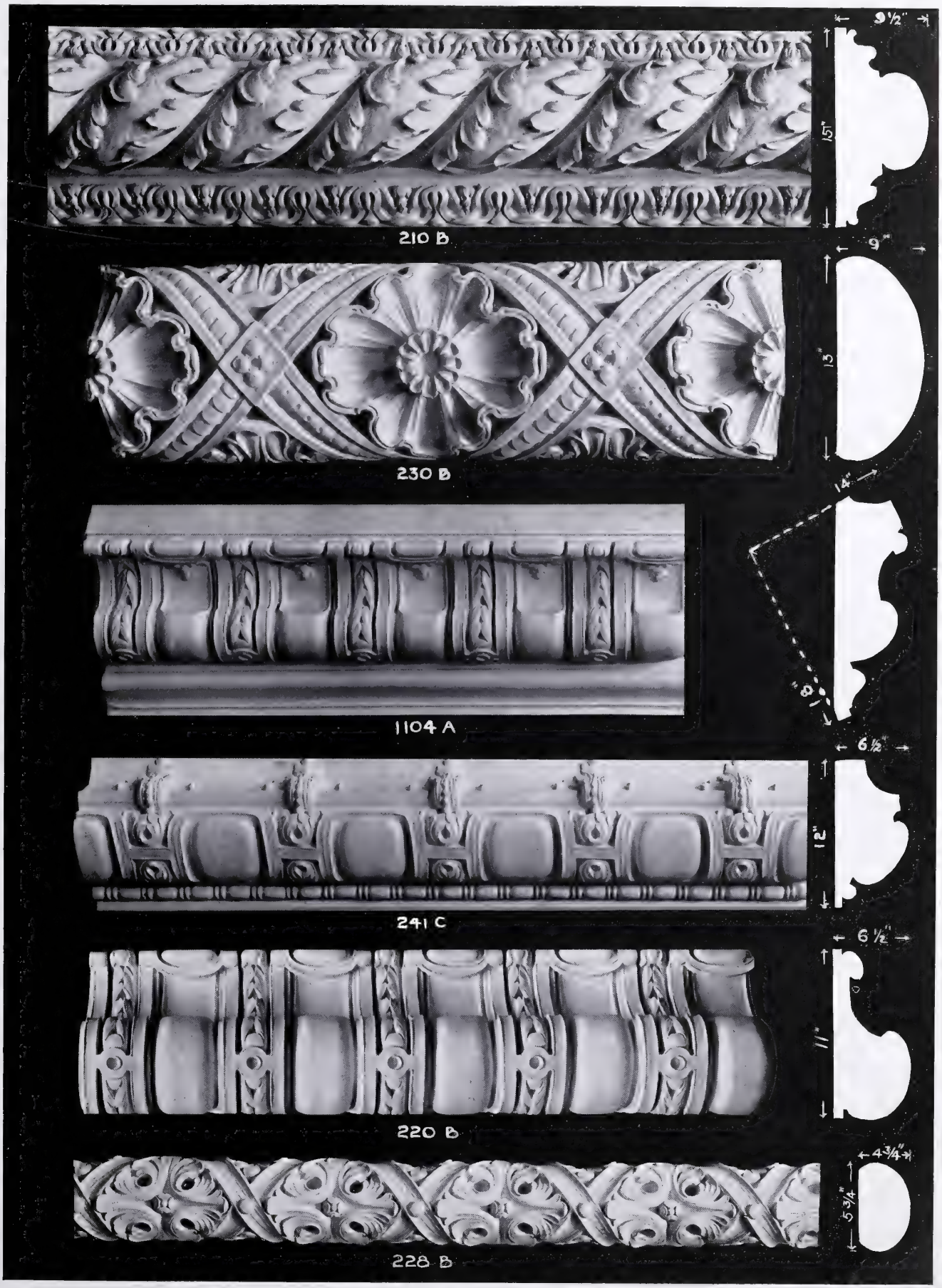

266
545
541
270
359
379
216
216
675
258 A
383
553
221
264
570
269
569
573
274
674
215
369
245 A
662
384
2258
217
279
259 A
268

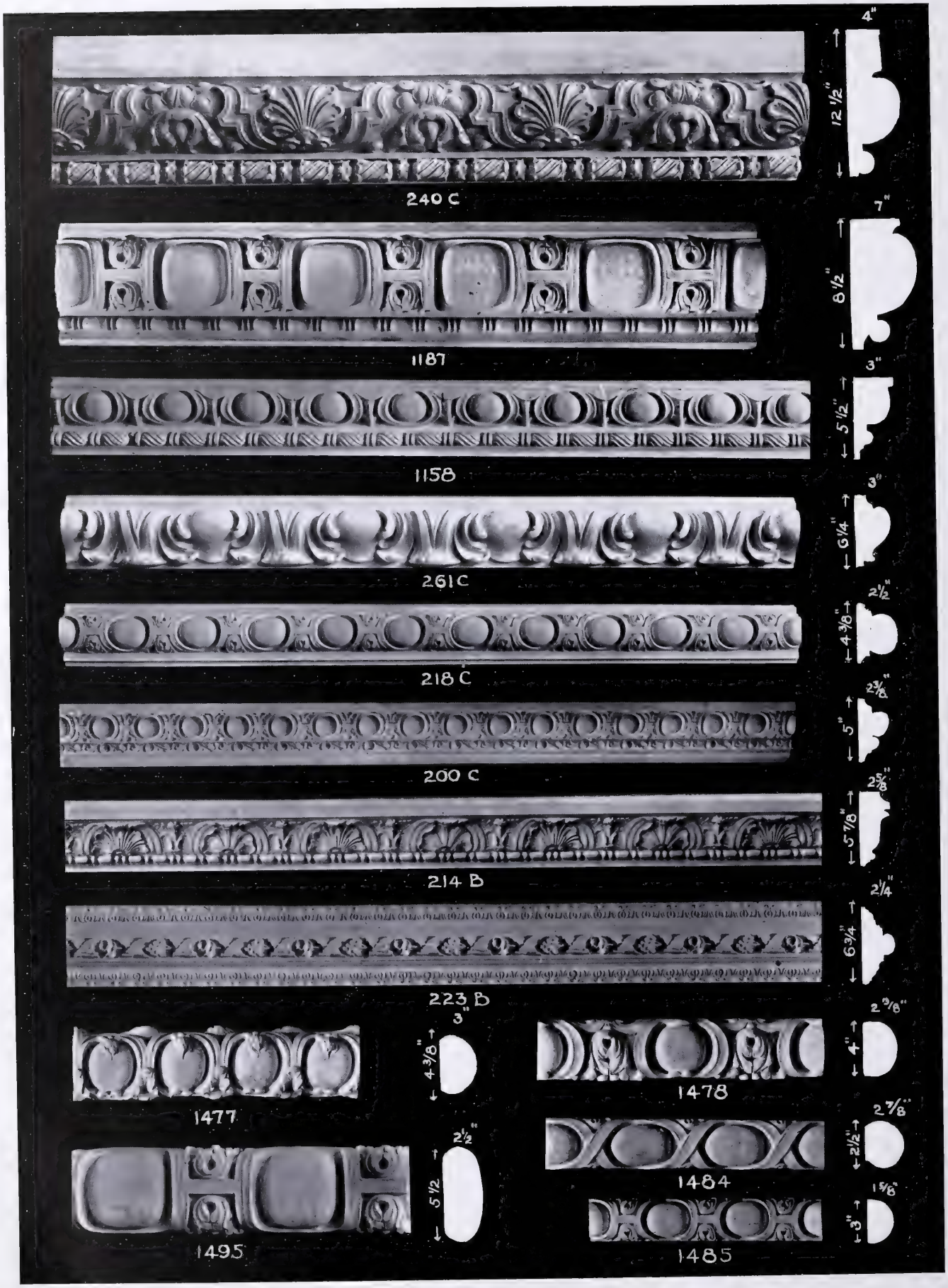

661A
287 B
296 B
212 B
205 B
224 B
222 C
215 C
219 C
225C
294 B
259 A
289 C
2 3/4"
8"
4"
7"
3"
6"
2 5/8"
4 3/4"
1 1/8"
6 1/4"
1 1/4"
5"
3 1/4"
4 3/8"
2 3/4"
3 3/4"
1 3/8"
7 3/4"
11"
3/4"
7 1/2"
1/2"
2 7/8"

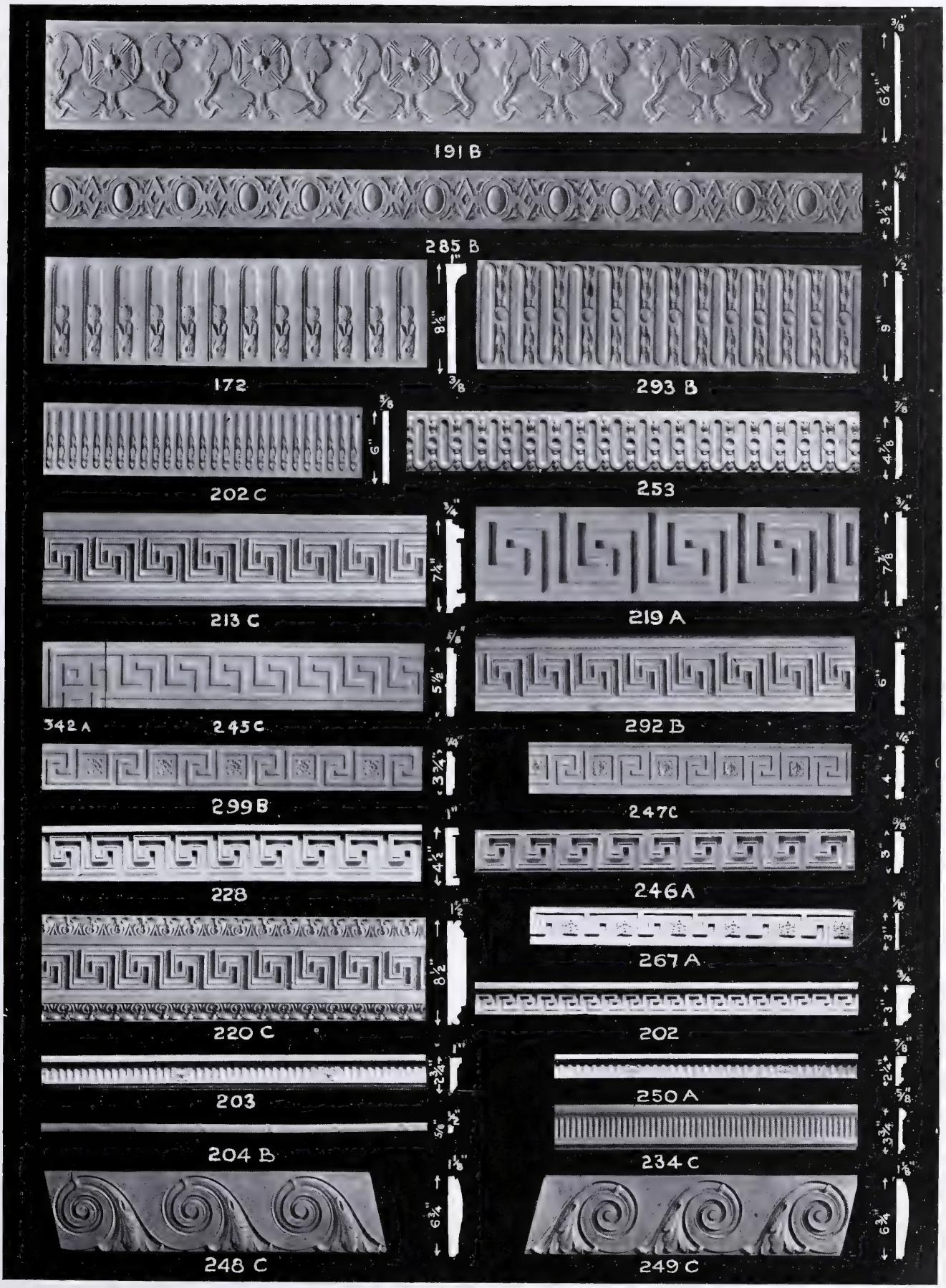
8¼"
15"
217 B
10"
10½"
231 B
4"
11"
272 B
5¾"
10"
221 B
4"
8"
2½"
4"
264 C
298 B
3¼"
5½"
240 B
3"
12"
252 C
2¾"
3¼"
214 B
238 C

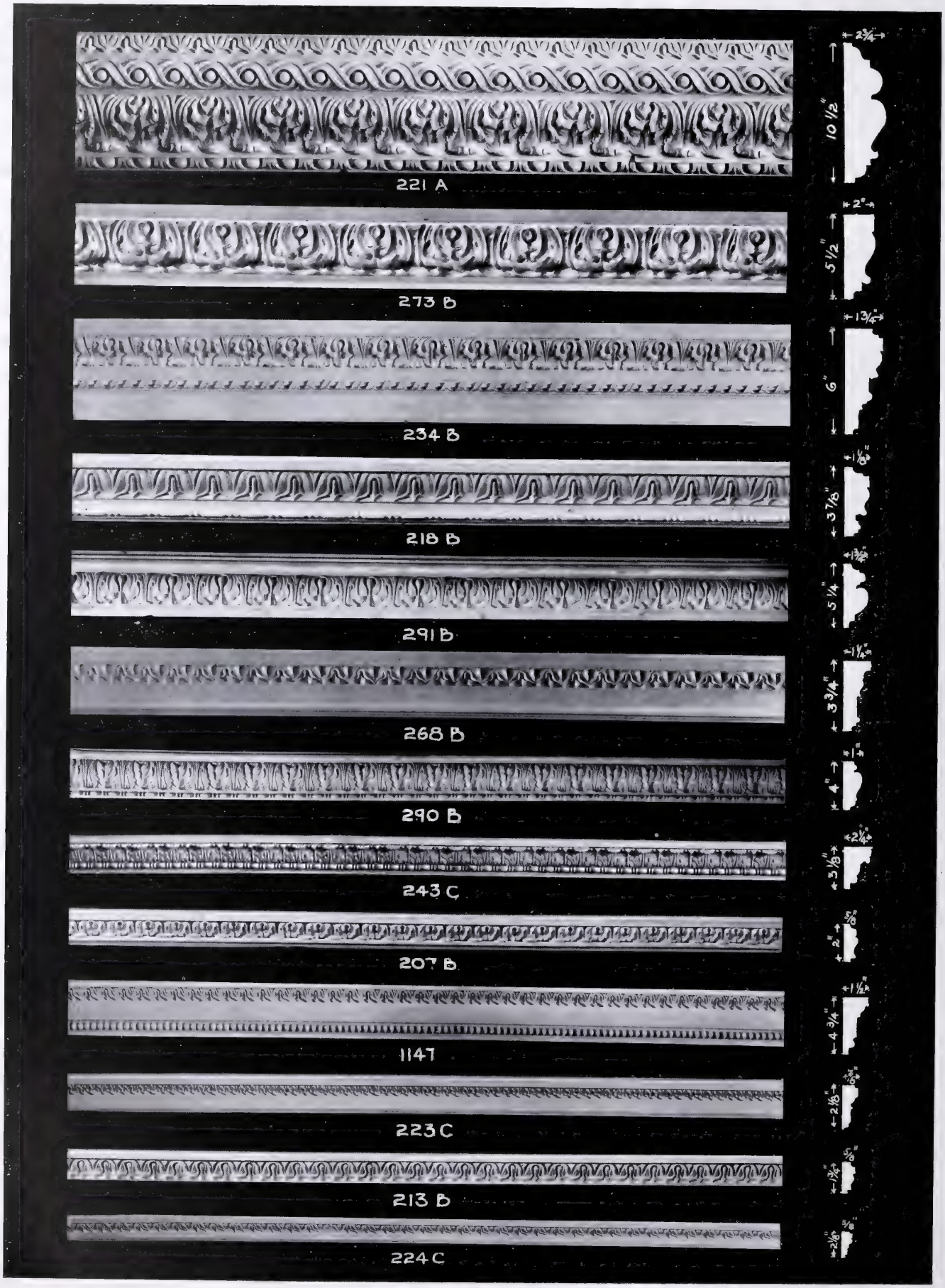
271 B
208 A
274 B
277 B
275 B
276 B
211 B
232 B
286 B


12½"
190 1½"Proj
12"
191 2"Proj
12½"
187 1¼"Proj
10½"
188 1"Proj
8½"
183 1¼"Proj
12½"
111 A ¾"Proj
7¼"
116 A 1¼"Proj.

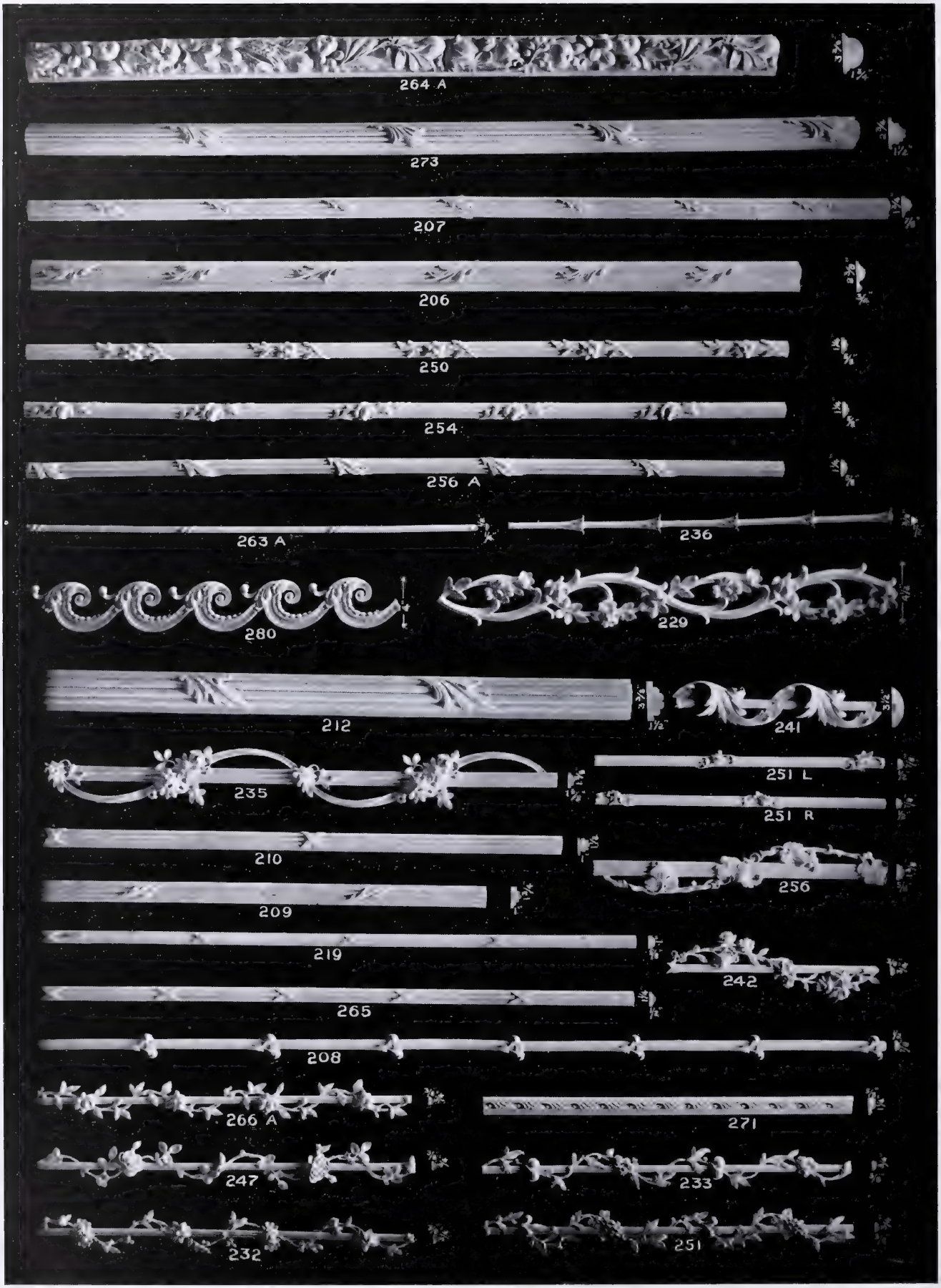

9½"
15"
210 B
9"
13"
230 B
14"
8"
1104 A
6½"
12"
241 C
6½"
11"
220 B
4-3/4"
5-3/4"
228 B

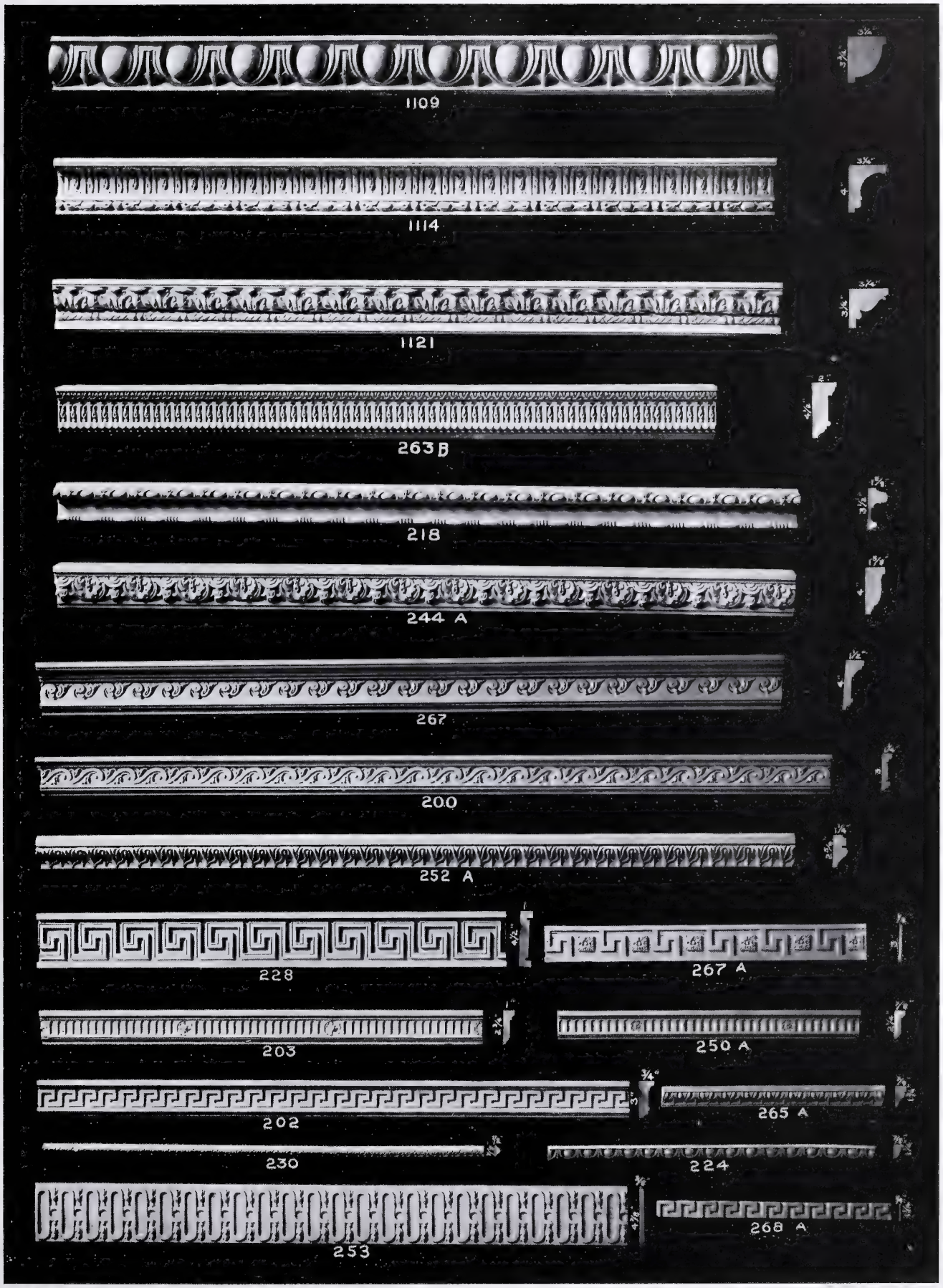

240 C
4"
12 1/2"
1187
7"
8 1/2"
1158
3"
5 1/2"
261 C
3"
6 1/4"
218 C
2 1/2"
4 3/8"
200 C
2 3/8"
5"
214 B
2 5/8"
5 7/8"
223 B
2 1/4"
6 3/4"
1477
3"
4 3/8"
1478
2 3/8"
4"
1495
2 1/2"
5 1/2"
1484
2 7/8"
2 1/2"
1485
1 5/8"
3"

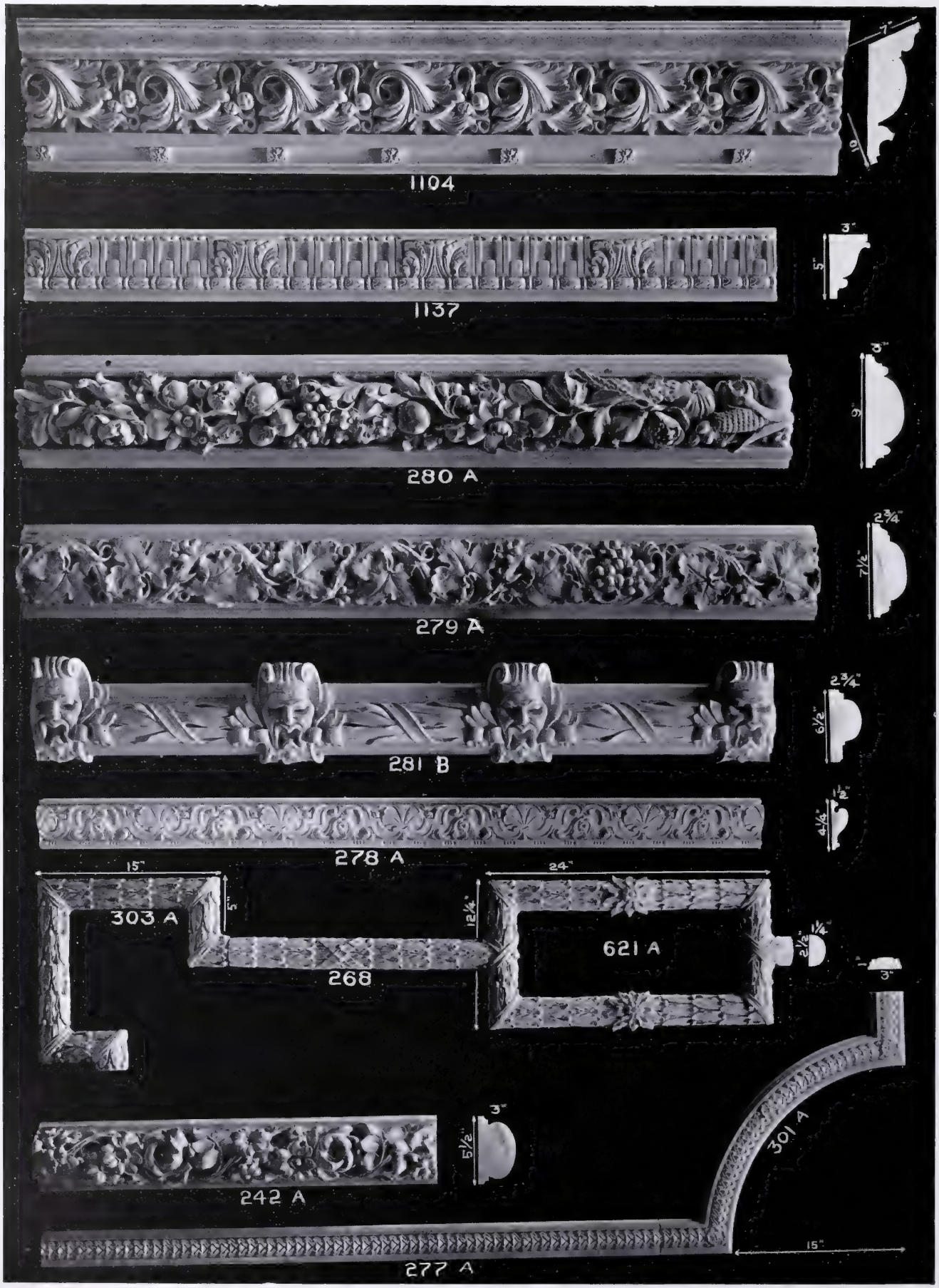

191 B
285 B
172
293 B
202 C
253
213 C
219 A
342 A
245 C
292 B
299 B
247 C
228
246 A
267 A
220 C
202
203
250 A
204 B
234 C
248 C
249 C

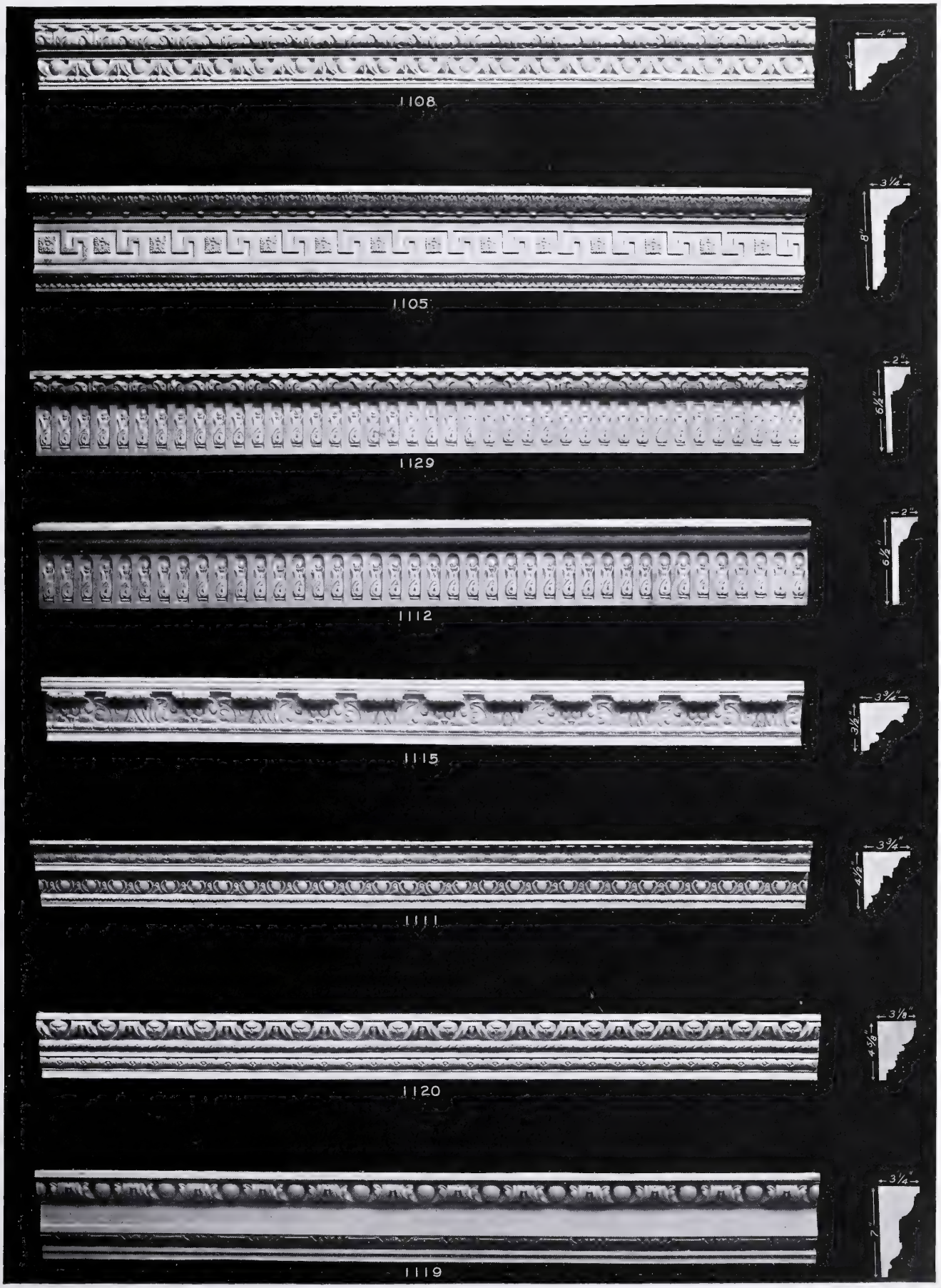

221 A
10 1/2"
273 B
5 1/2"
234 B
6"
218 B
3 7/8"
291 B
5 1/4"
268 B
3 3/4"
290 B
4"
243 C
3 1/8"
207 B
2"
1147
4 3/4"
223 C
2 1/8"
213 B
1 3/4"
224 C
2 1/8"

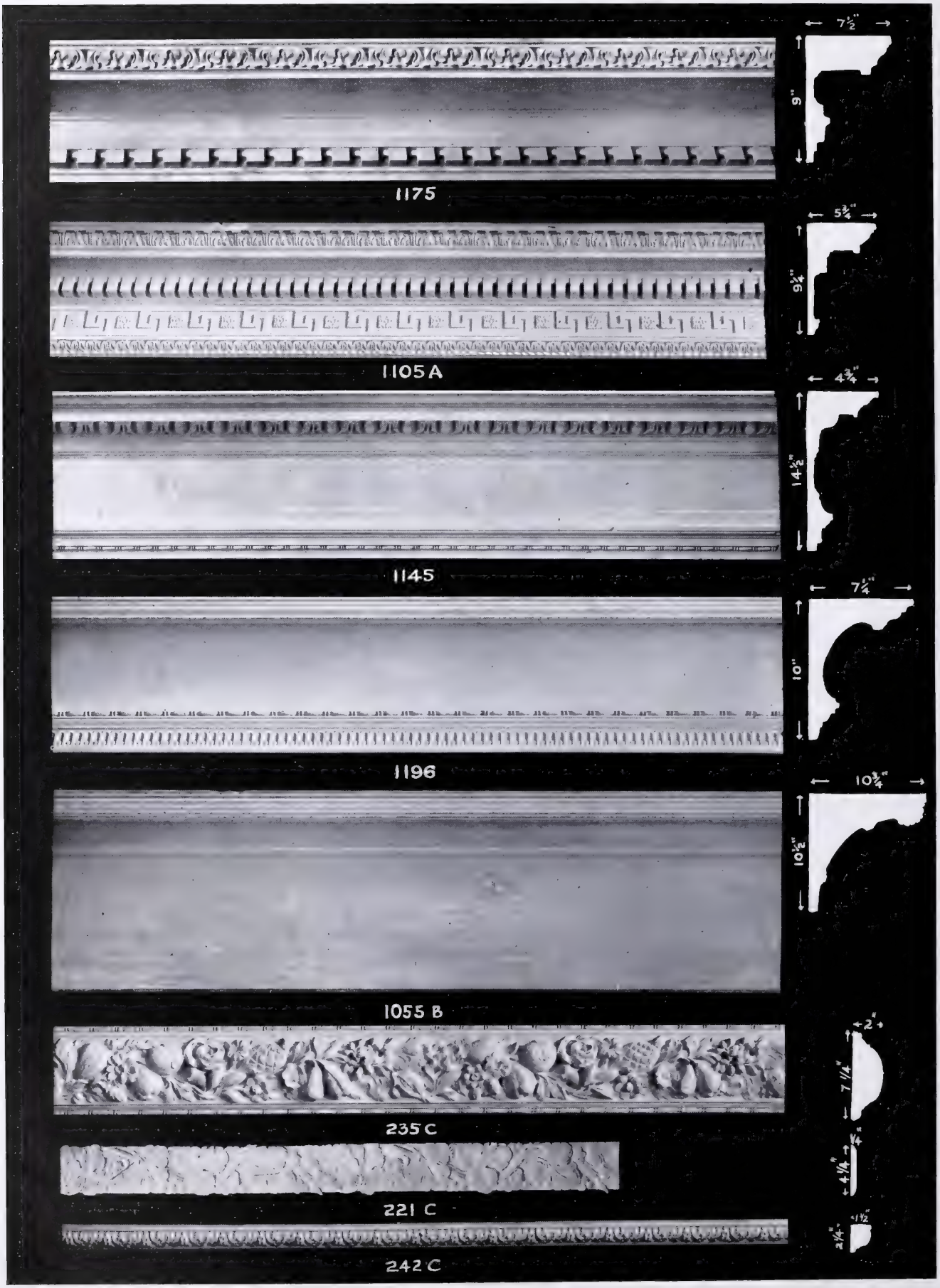
259
284
255 A
255
225
257 A
253 A
268 C
263
205
241 A
254 C
254 A
204

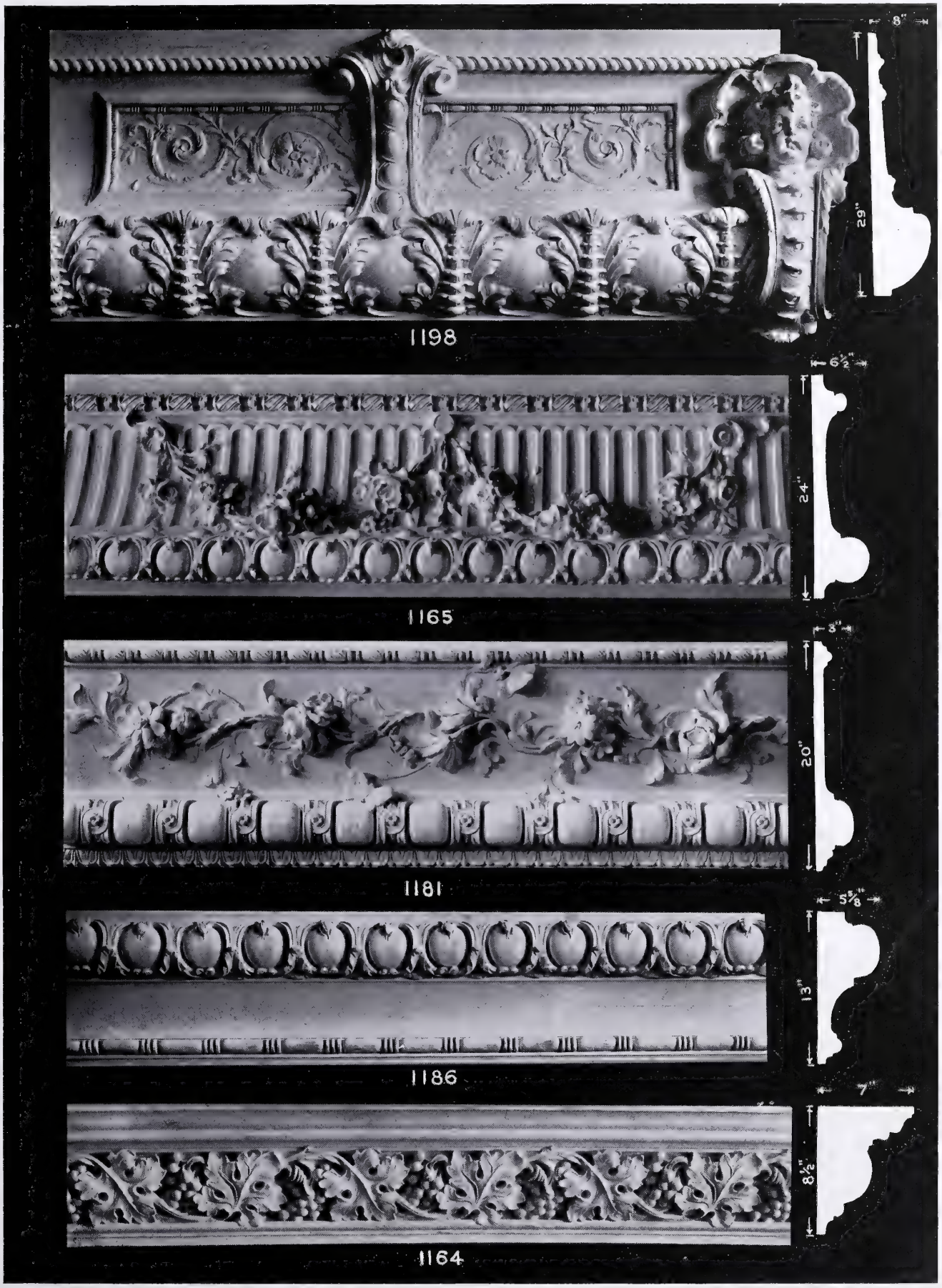

264 A
273
207
206
250
254
256 A
263 A
236
280
229
212
241
235
251 L
251 R
210
256
209
219
242
265
208
266 A
271
247
233
232
251


1109
1114
1121
263 B
218
244 A
267
200
252 A
228
267 A
203
250 A
202
265 A
230
224
253
268 A

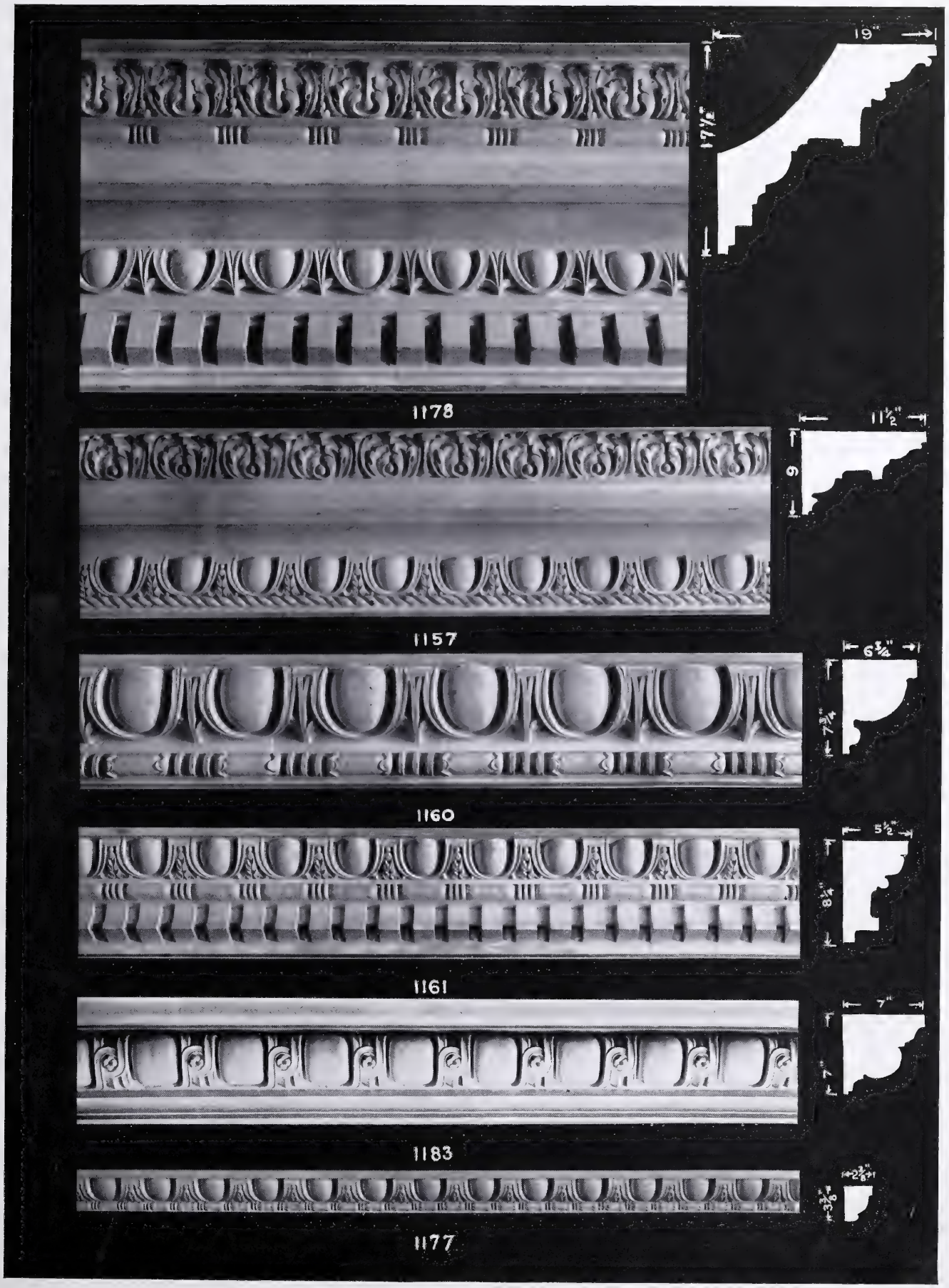

1104
7"
10"
1137
3"
5"
280 A
3"
9"
279 A
2¾"
7½"
281 B
2¾"
6½"
278 A
1½"
4½"
15"
303 A
5"
12¼"
24"
621 A
268
2½"
1¼"
1"
3"
242 A
3"
5½"
301 A
277 A
15"

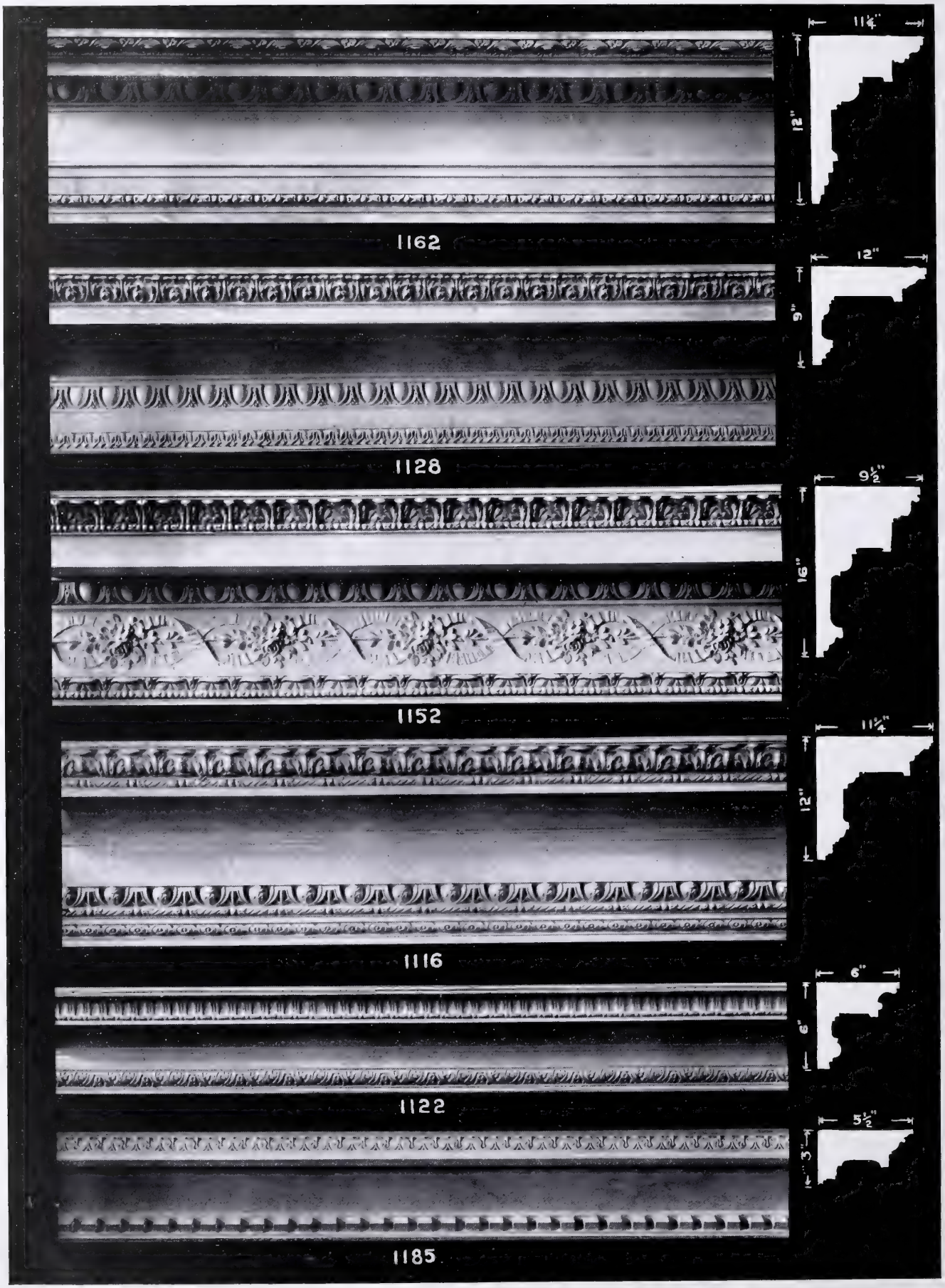

1108
4"
4"
1105
3 1/4"
8"
1129
2"
6 1/2"
1112
2"
6 1/2"
1115
3 3/4"
3 1/2"
1111
3 3/4"
4 1/2"
1120
3 1/8"
4 5/8"
1119
3 1/4"
7"

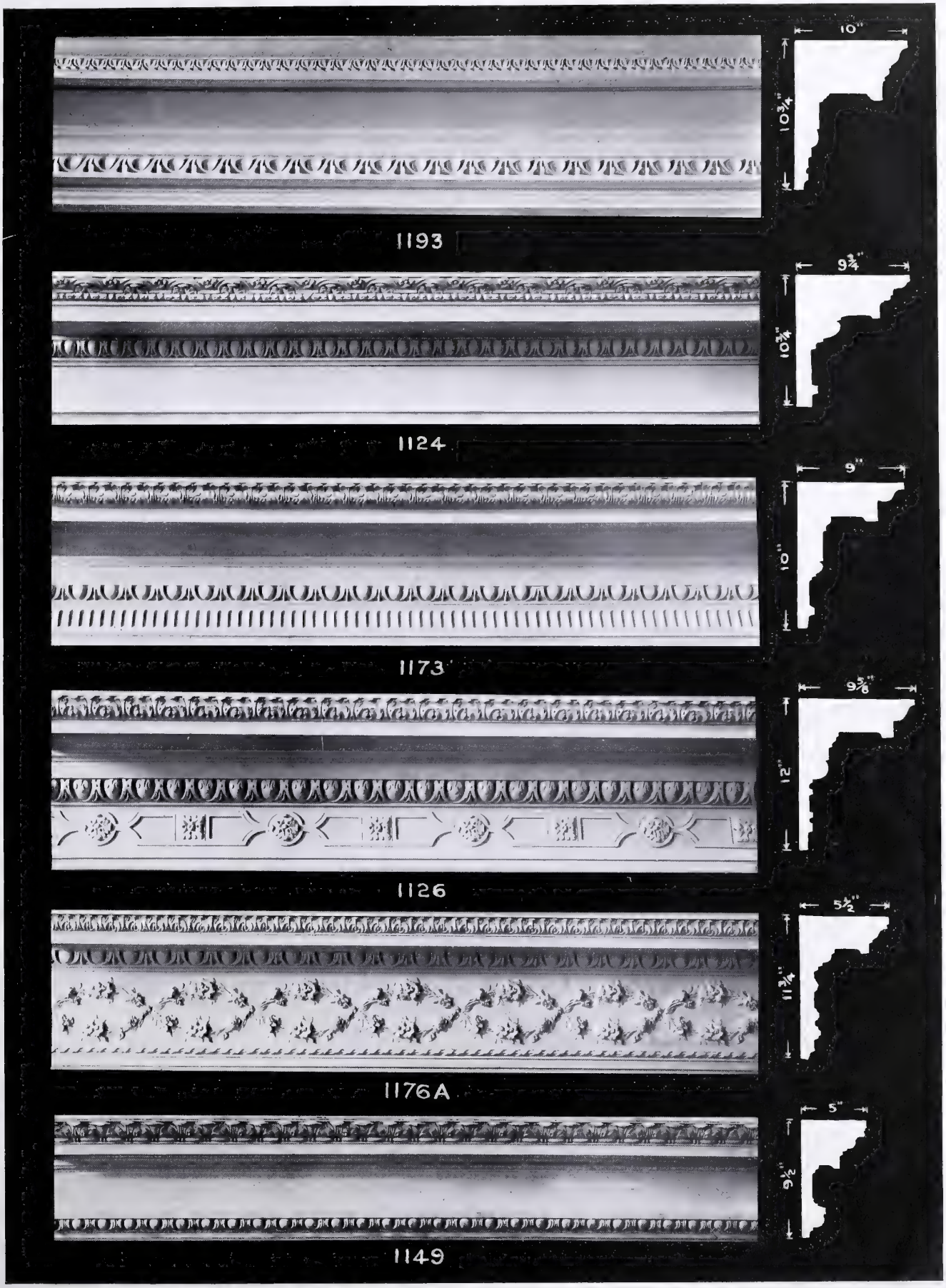

7½"
9"
1175
5¾"
9¼"
1105A
4¾"
14½"
1145
7¼"
10"
1196
10¾"
10½"
1055 B
2"
7 1/4"
4 1/4"
235 C
221 C
1½"
242 C

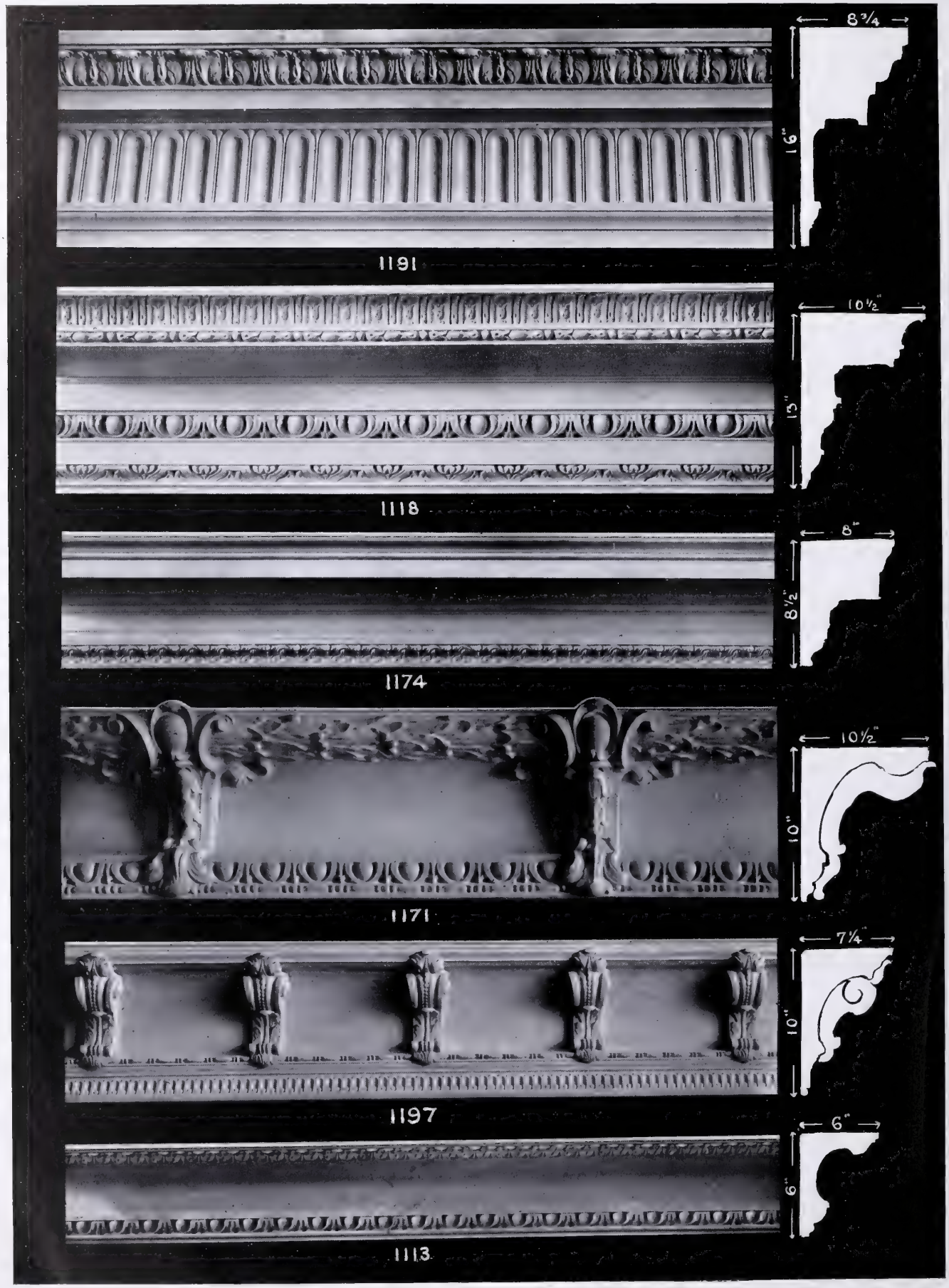

8"
29"
1198
6½"
24"
1165
3"
20"
1181
5⅝"
13"
1186
7"
8½"
1164

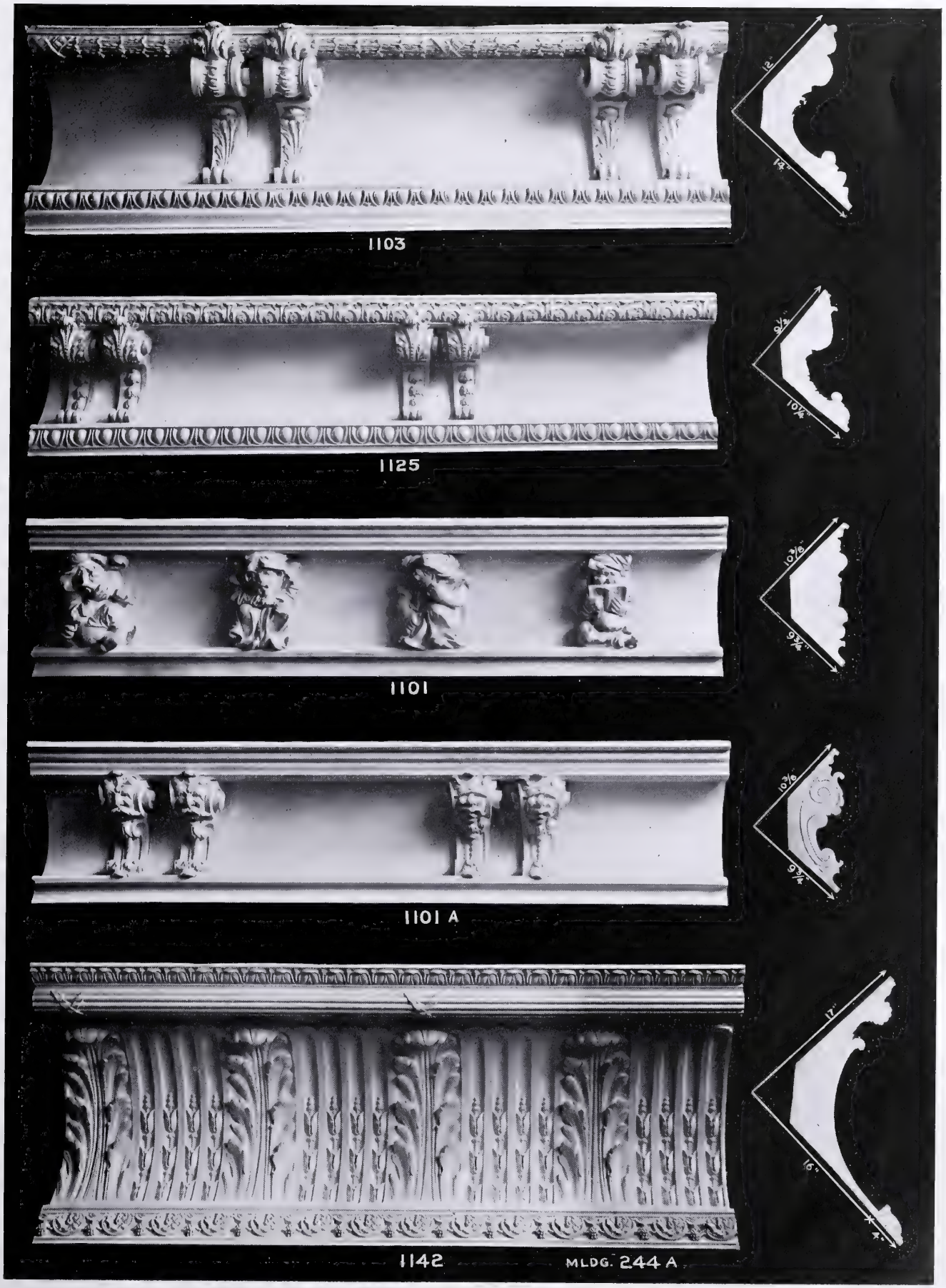
28"
47"
35½"
1180
6½"
24"
1169
16"
19"
1154

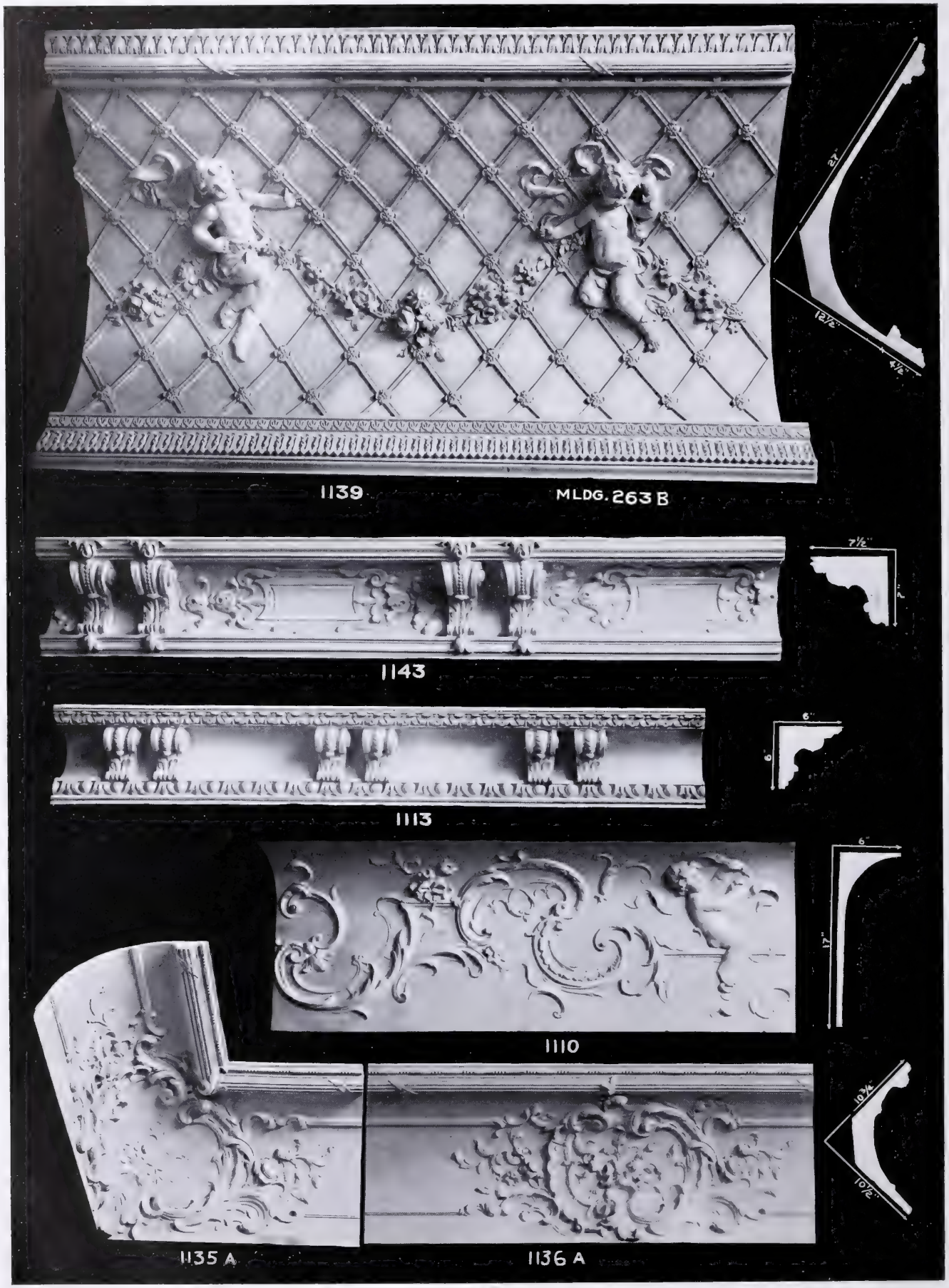

19"
17½"
1178
11½"
9
1157
6¾"
7¾"
1160
5½"
8¼"
1161
7"
7"
1183
2⅜"
3⅜"
1177

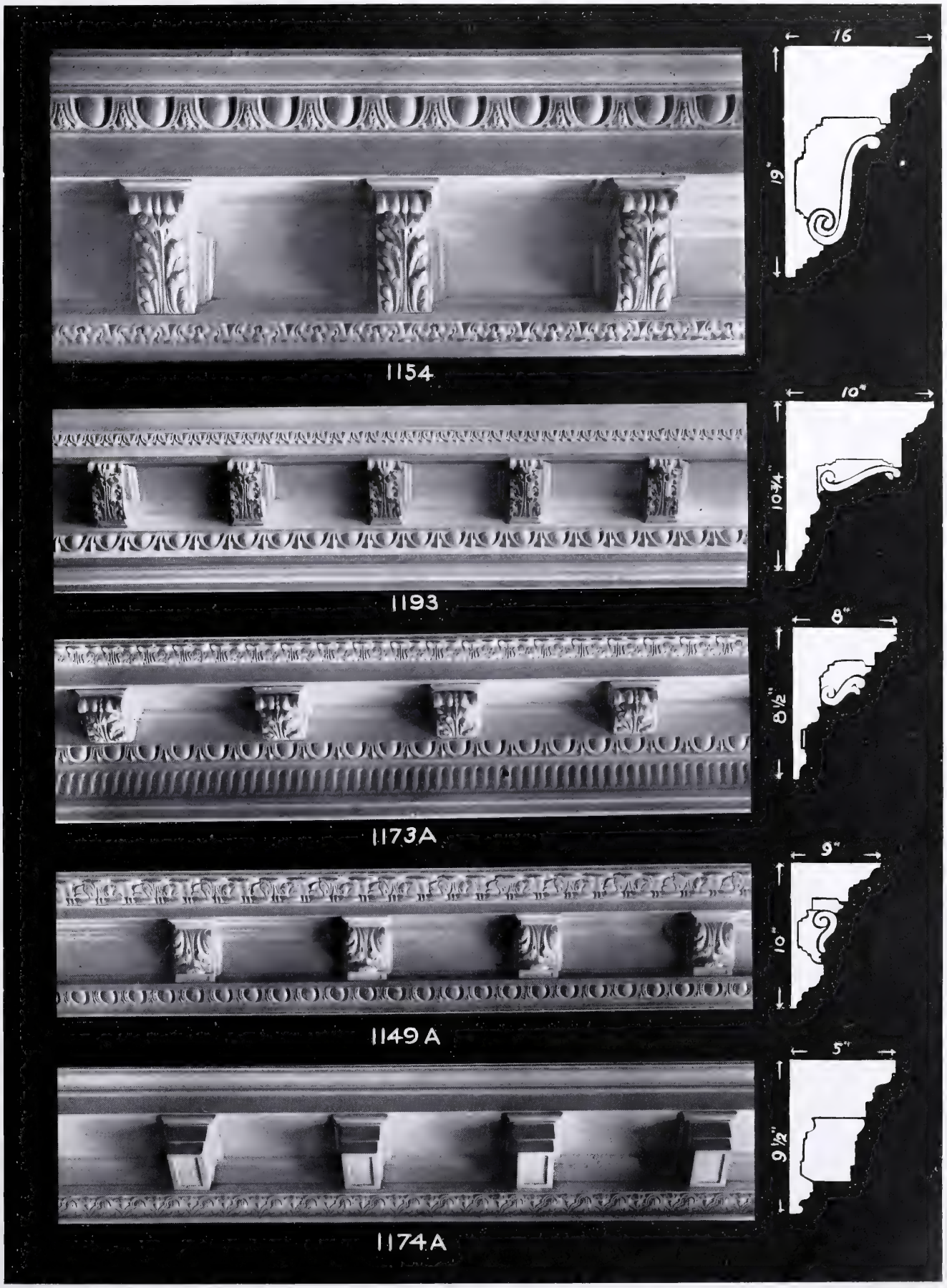

1162
11¼"
12"
1128
12"
9"
1152
9½"
16"
1116
11¼"
12"
1122
6"
6"
1185
5½"
3"

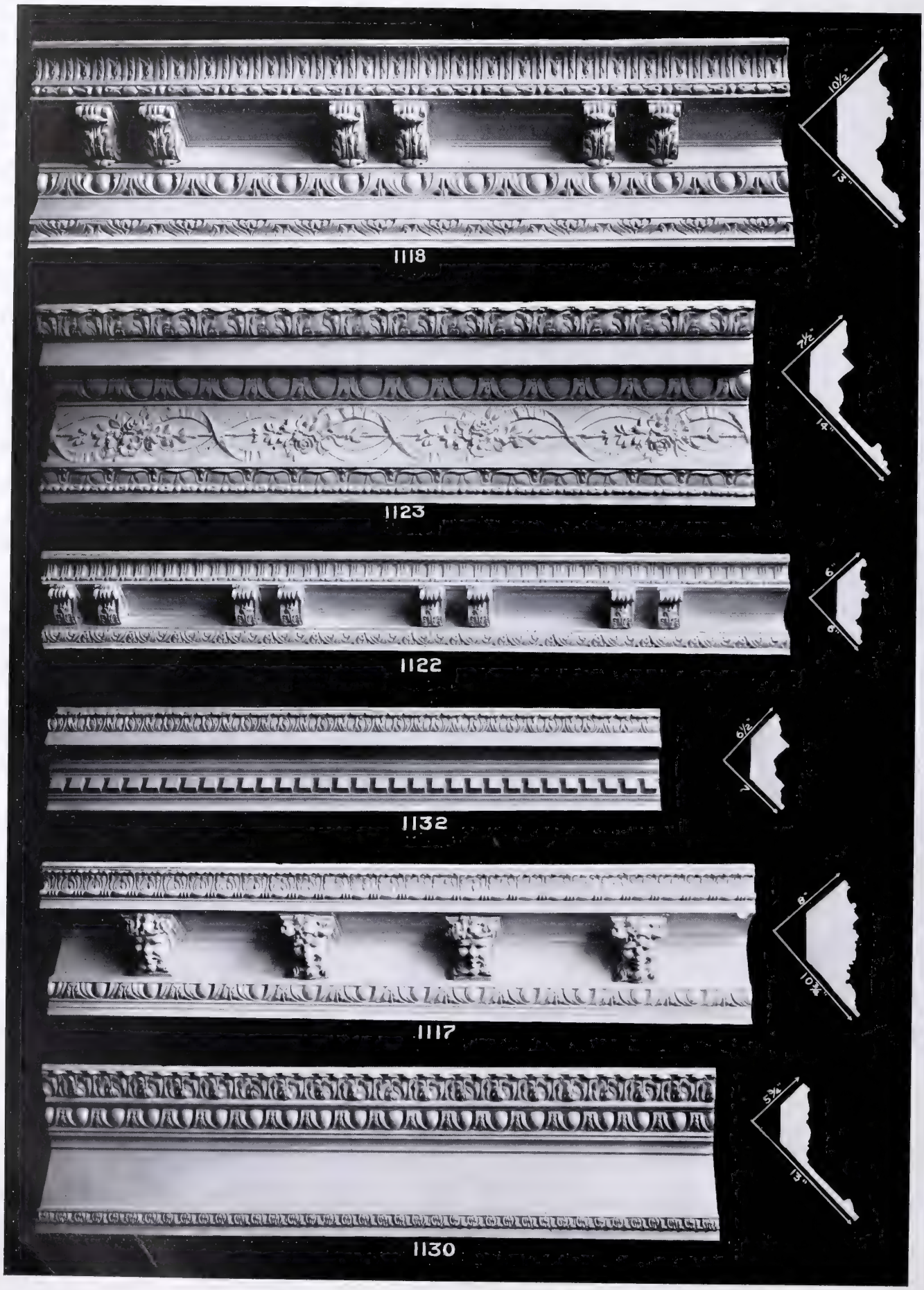

10"
10¾"
1193
9¾"
10¼"
1124
9"
10"
1173
9⅝"
12"
1126
5½"
11¾"
1176A
5"
6½"
1149

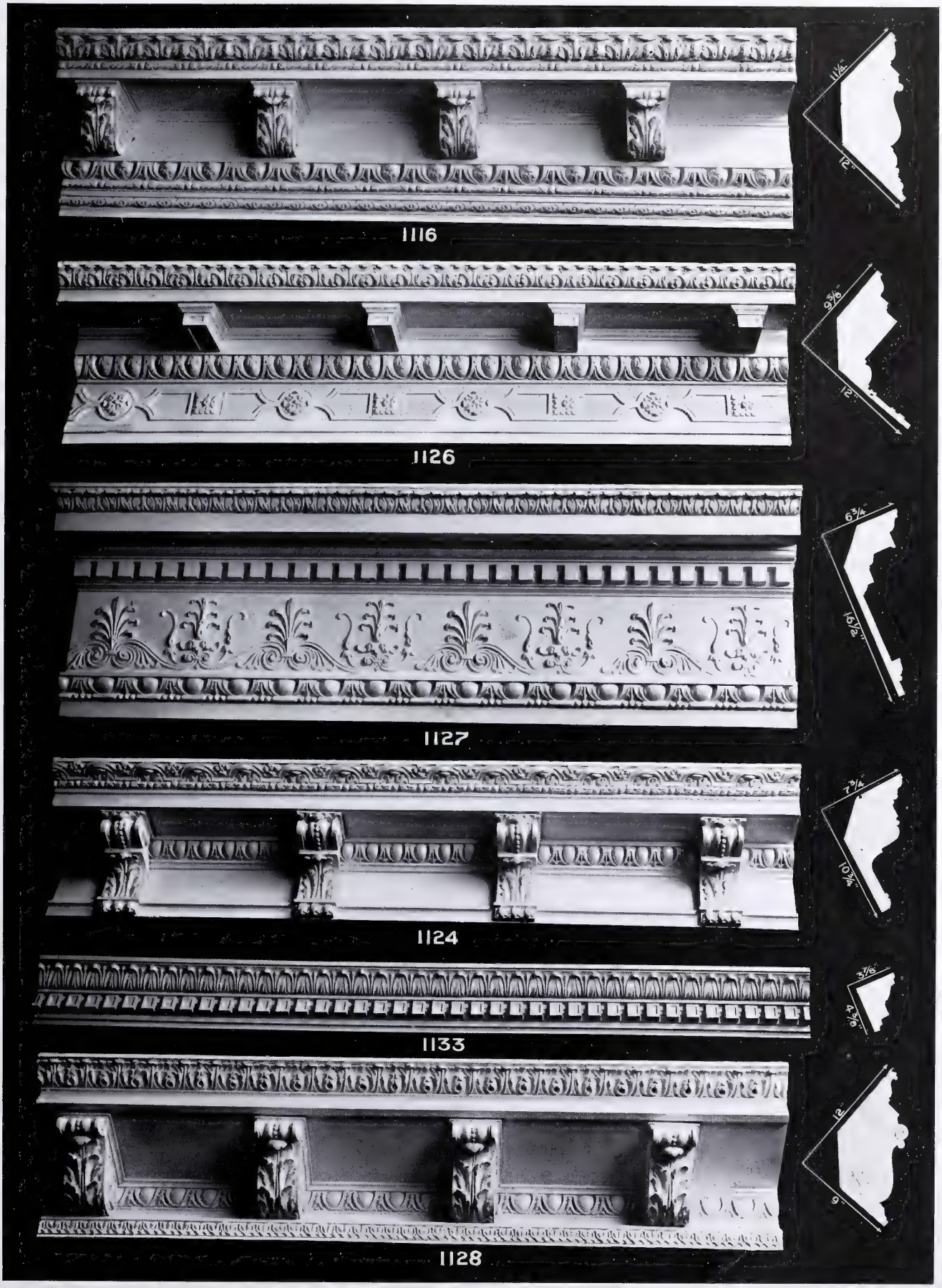

8¾"
16"
1191
10½"
15"
1118
8"
8½"
1174
10½"
10"
1171
7¼"
10"
1197
6"
6"
1113

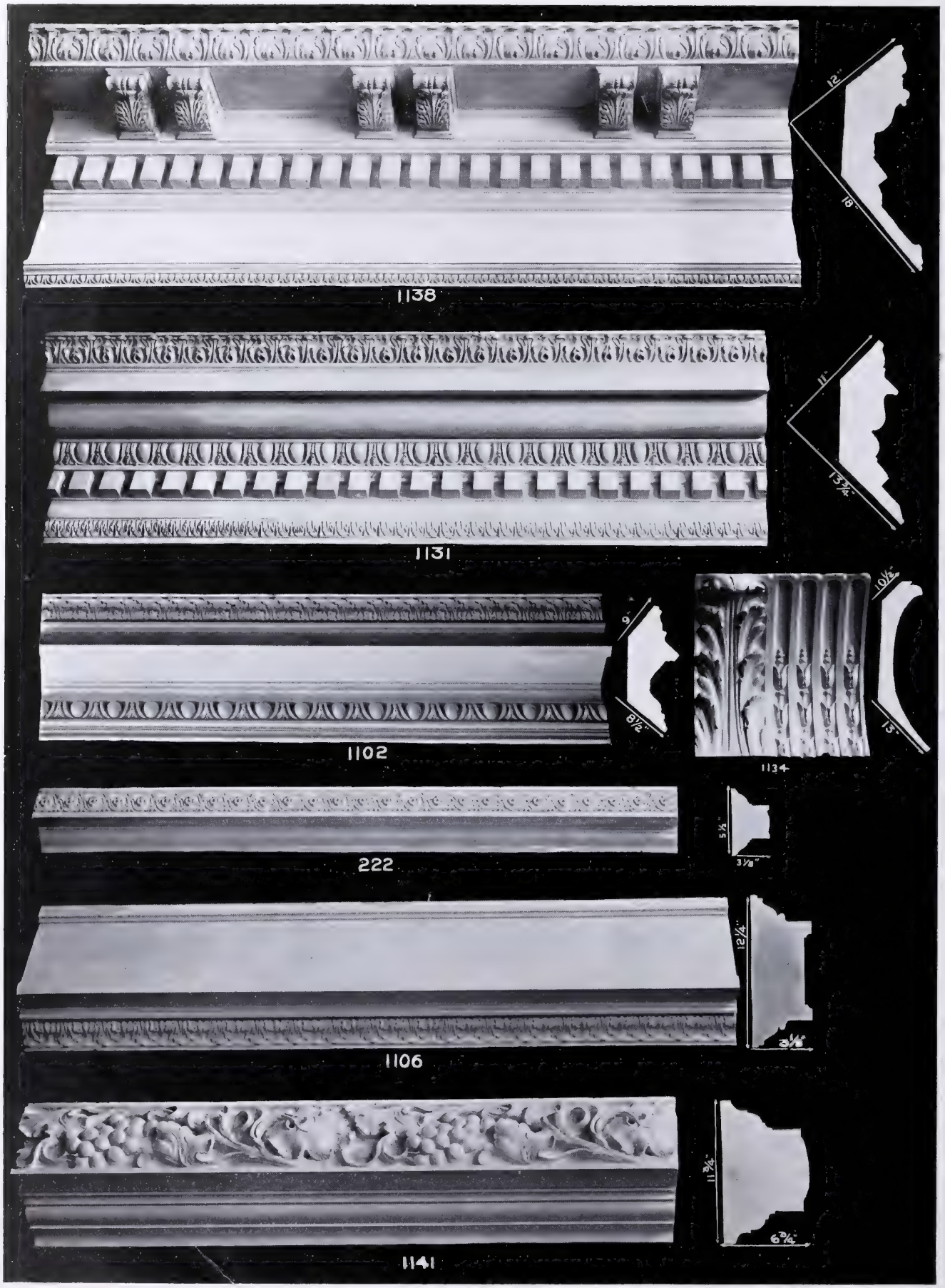

12"
14"
1103
9½"
10¼"
1125
10⅜
9¾"
1101
10⅜
9¾"
1101 A
17"
16"
4"
1142
MLDG. 244 A

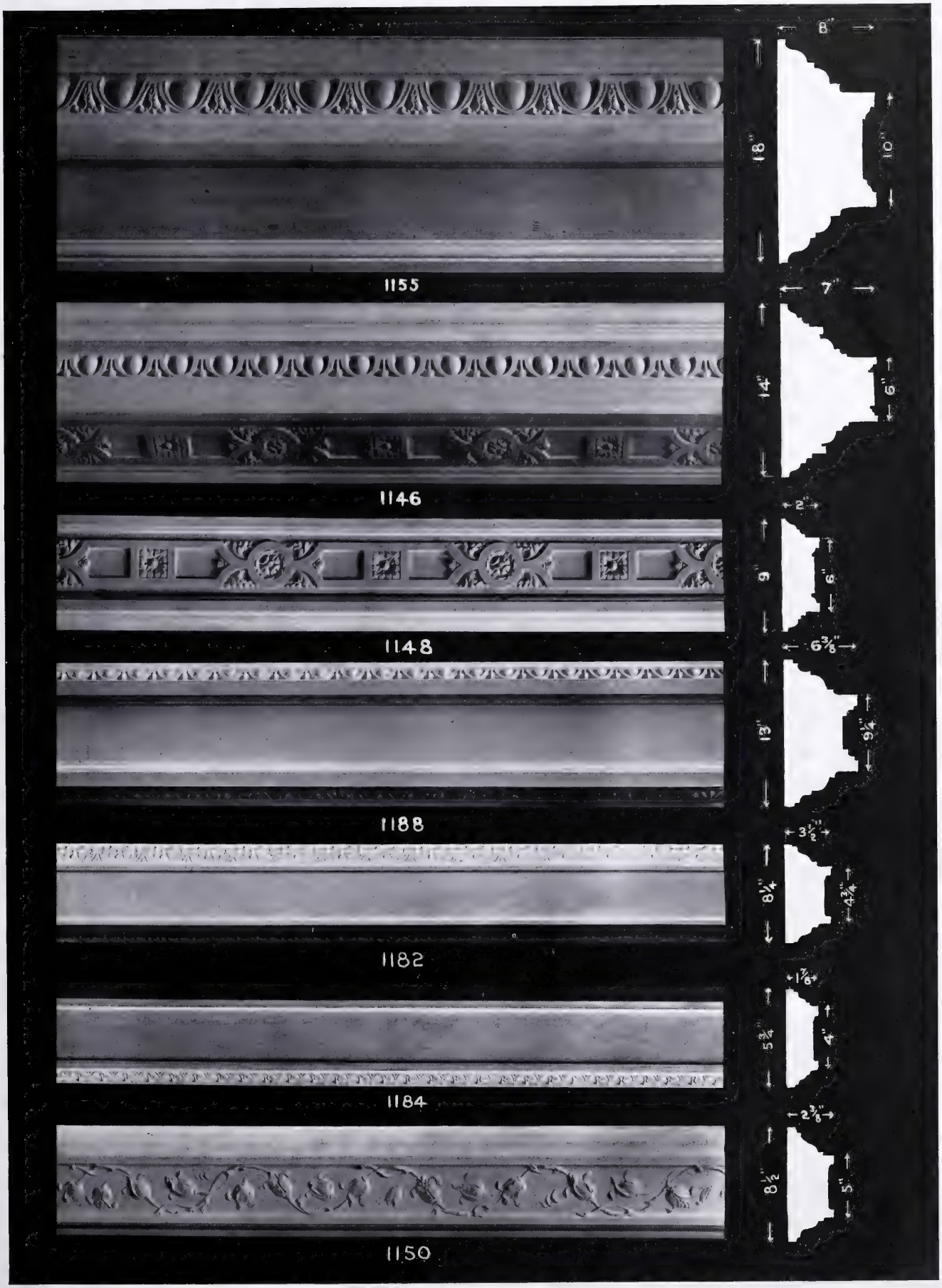

27"
12½"
4½"
1139
MLDG. 263 B
7½"
1143
6"
6"
1113
6"
17"
1110
10¼"
10½"
1135 A
1136 A

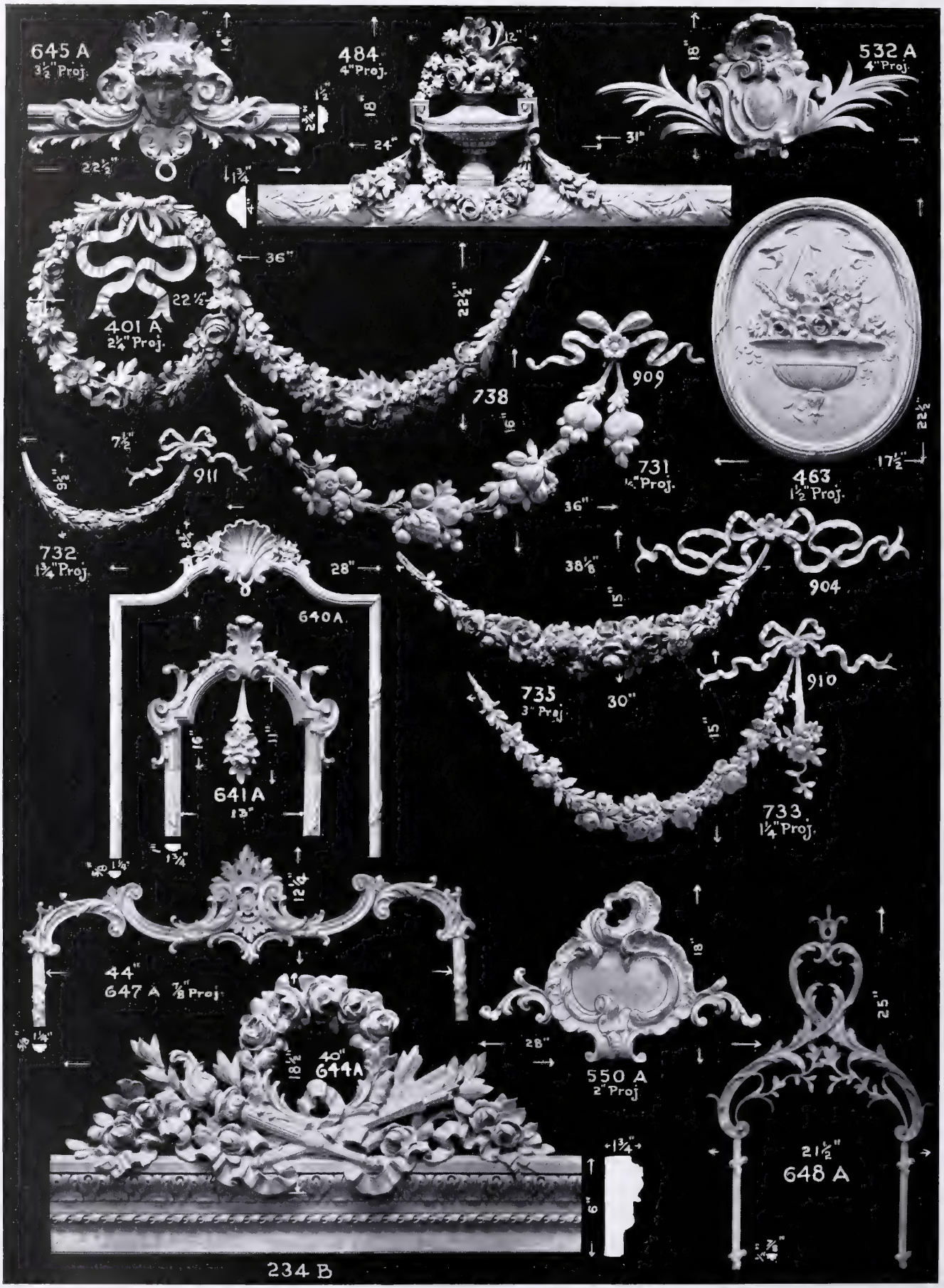

16
19"
1154
10"
10-3/4"
1193
8"
8 1/2"
1173A
9"
10"
1149 A
5"
9 1/2"
1174A

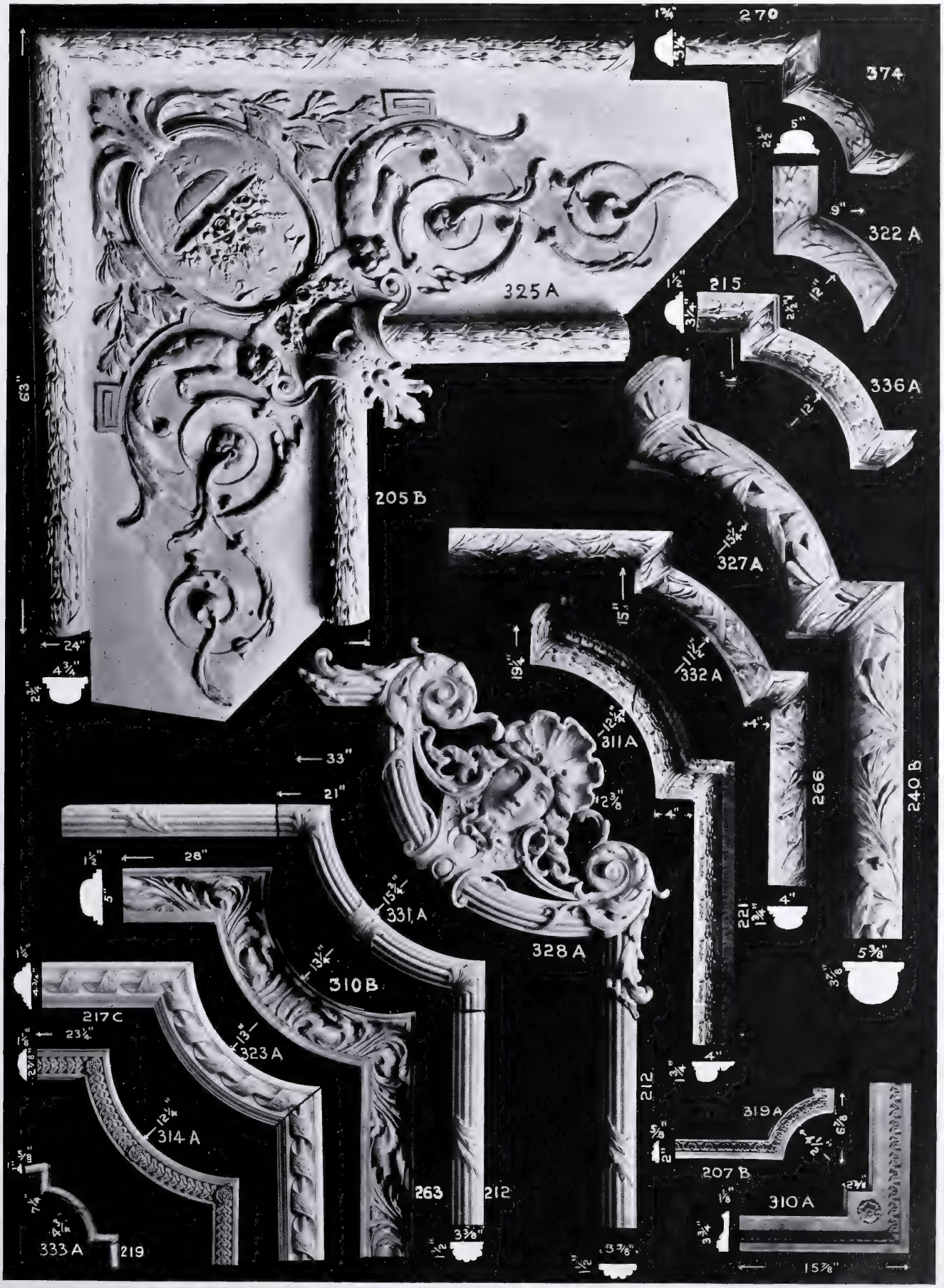

10½"
13"
1118
7½"
14"
1123
6"
8"
1122
6½"
1132
8"
10¾"
1117
5¾"
13"
1130

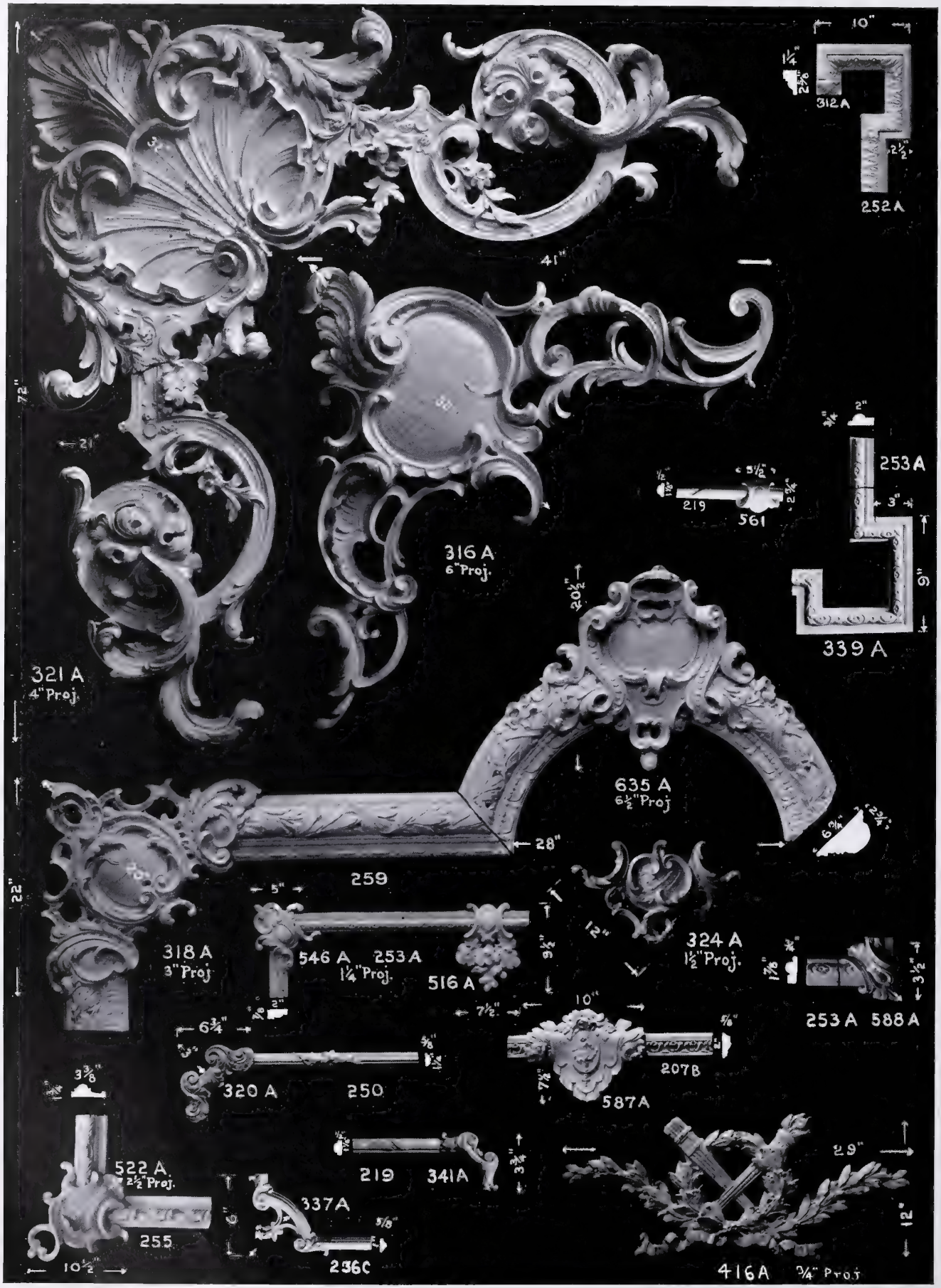

1116
11½"
12"
1126
9⅝"
12"
1127
6¾"
10⅞"
1124
7¾"
10¾"
1133
3⅛"
4⅜"
1128
12"
9"

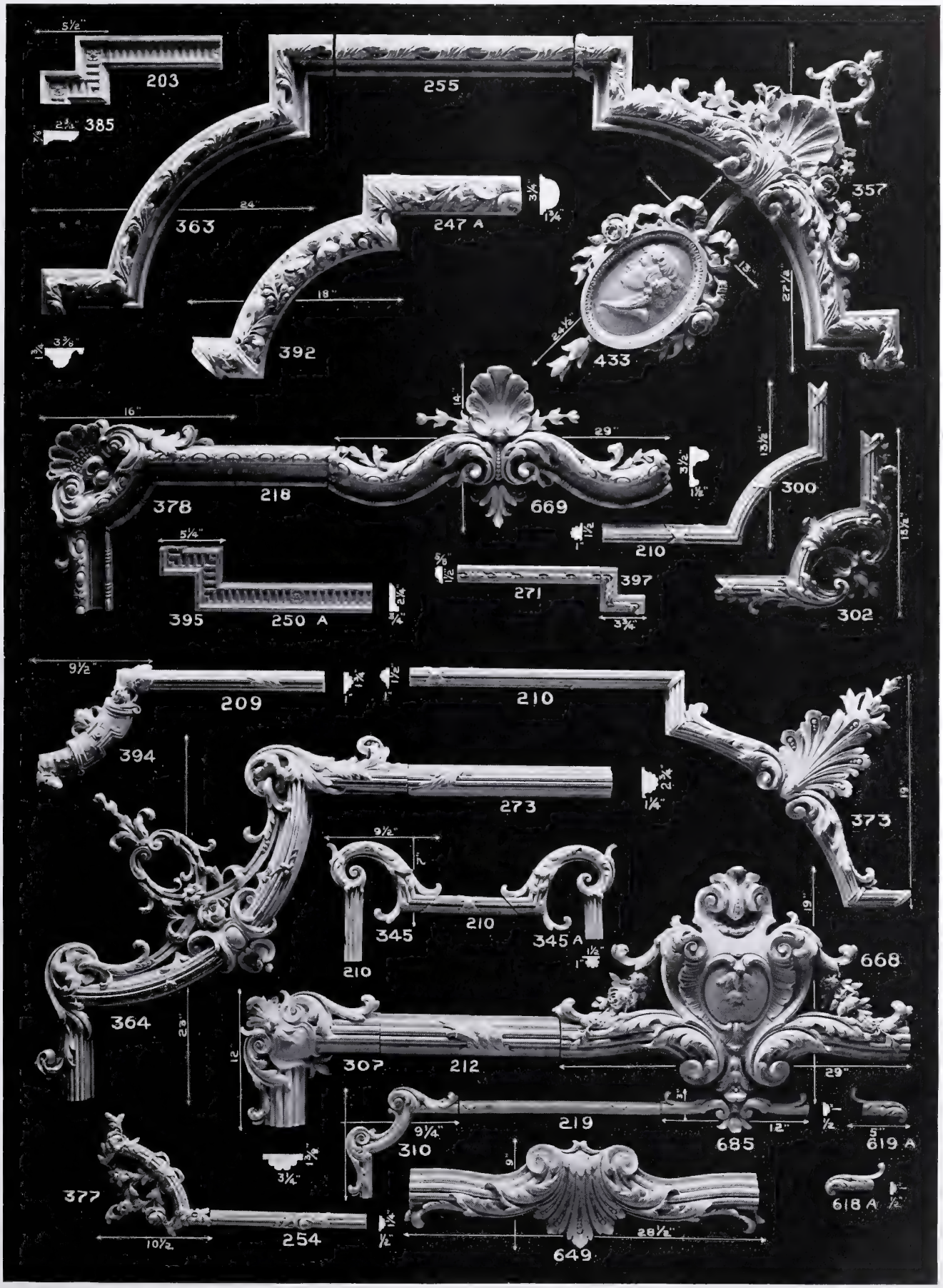

12"
18"
1138
11"
13¾"
1131
9"
8½"
1102
10½"
13"
1134
5⅛"
3⅛"
222
12¼"
3⅛"
1106
11⅜"
6⅜"
1141

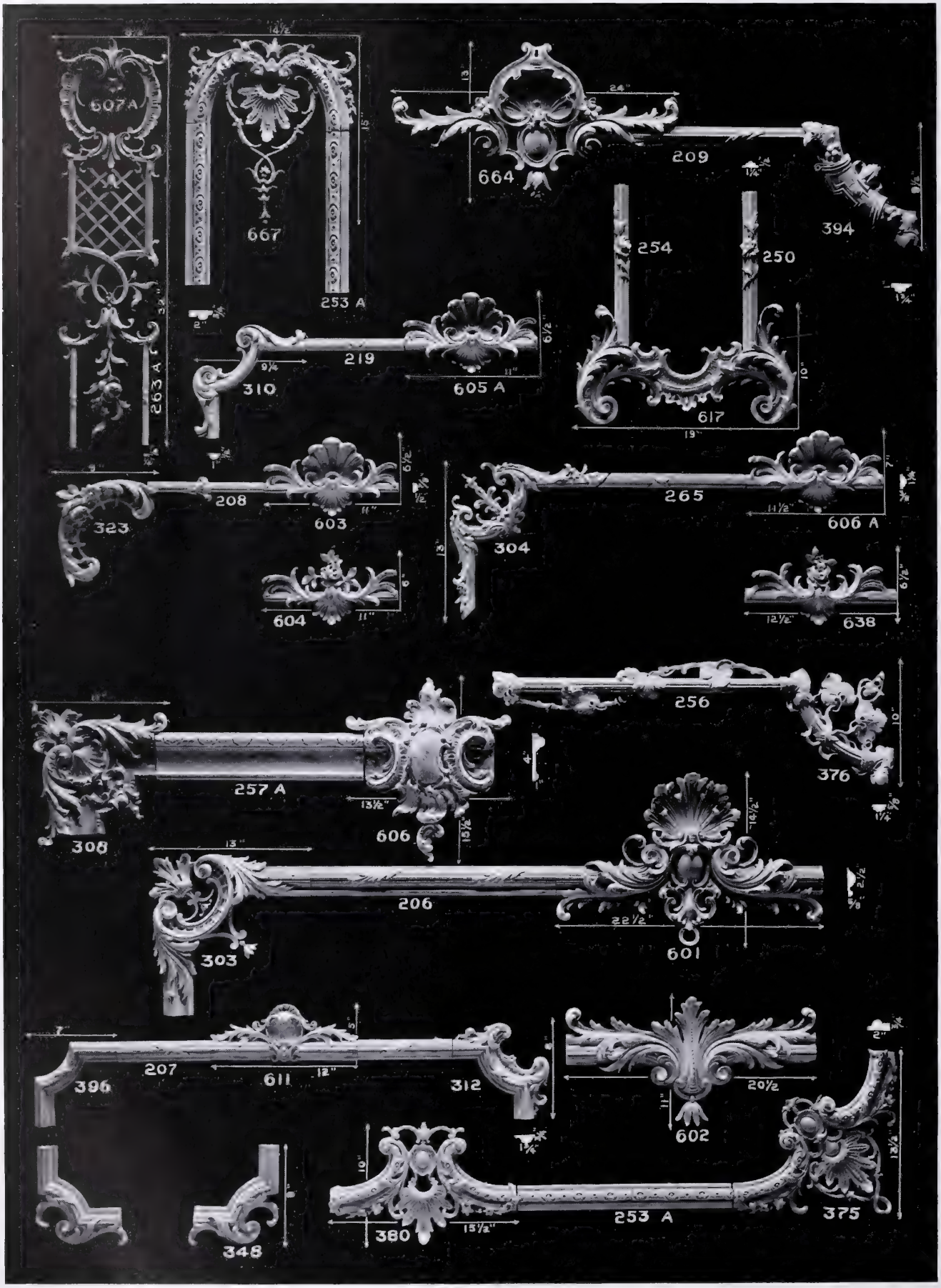

1155
1146
1148
1188
1182
1184
1150
8"
18"
10"
7"
14"
6"
2"
9"
6"
6⅜"
13"
9¼"
3½"
8¼"
4¾"
1⅞"
5¾"
4"
2⅜"
8½"
5"

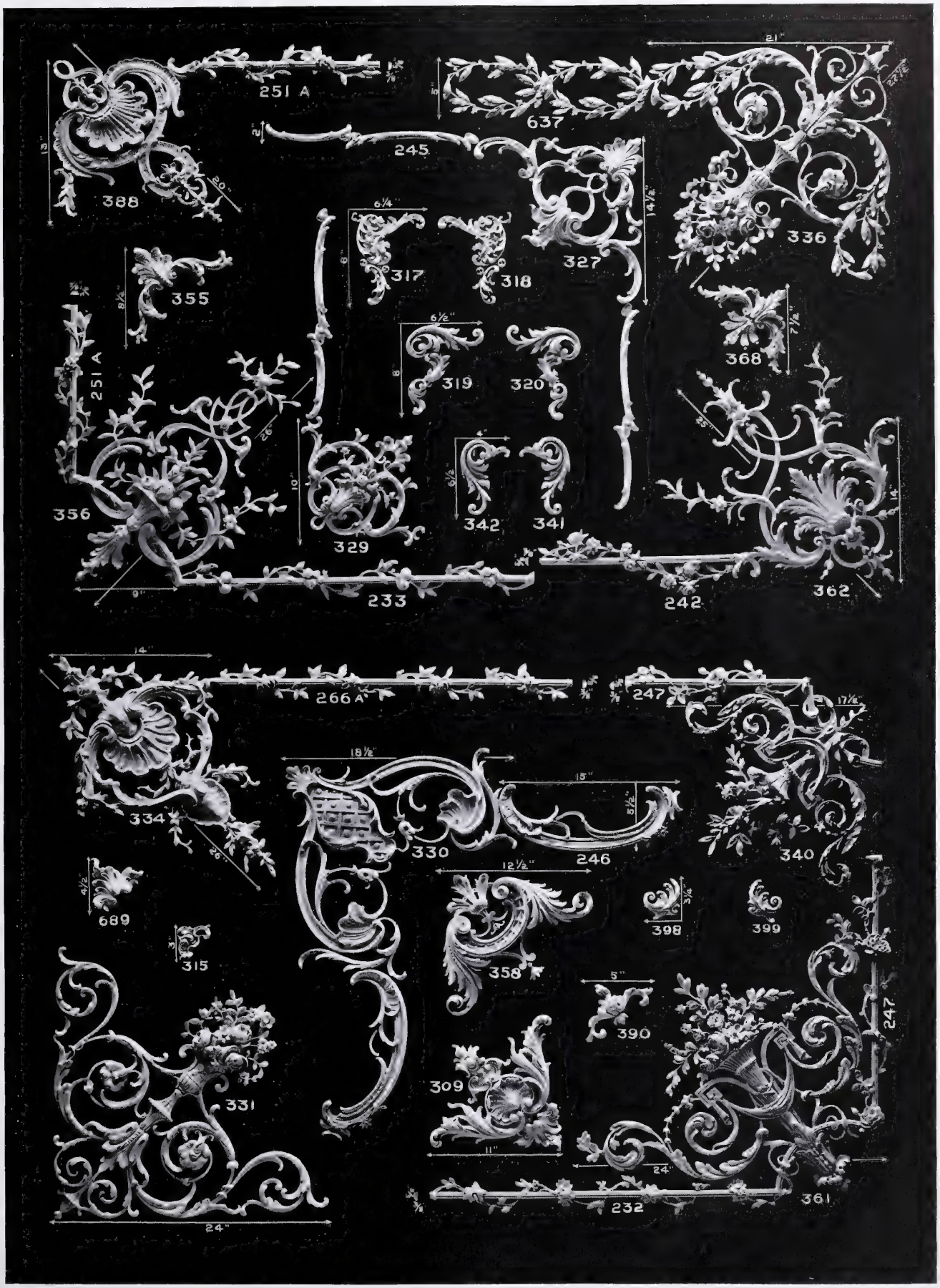

645 A
3½" Proj.
484
4" Proj.
532 A
4" Proj.
401 A
2¼" Proj.
738
909
911
731
¼" Proj.
463
1½" Proj.
732
1¾" Proj.
904
640 A
641 A
735
3" Proj.
910
733
1¼" Proj.
44"
647 A ⅞" Proj.
644 A
550 A
2" Proj.
648 A
234 B

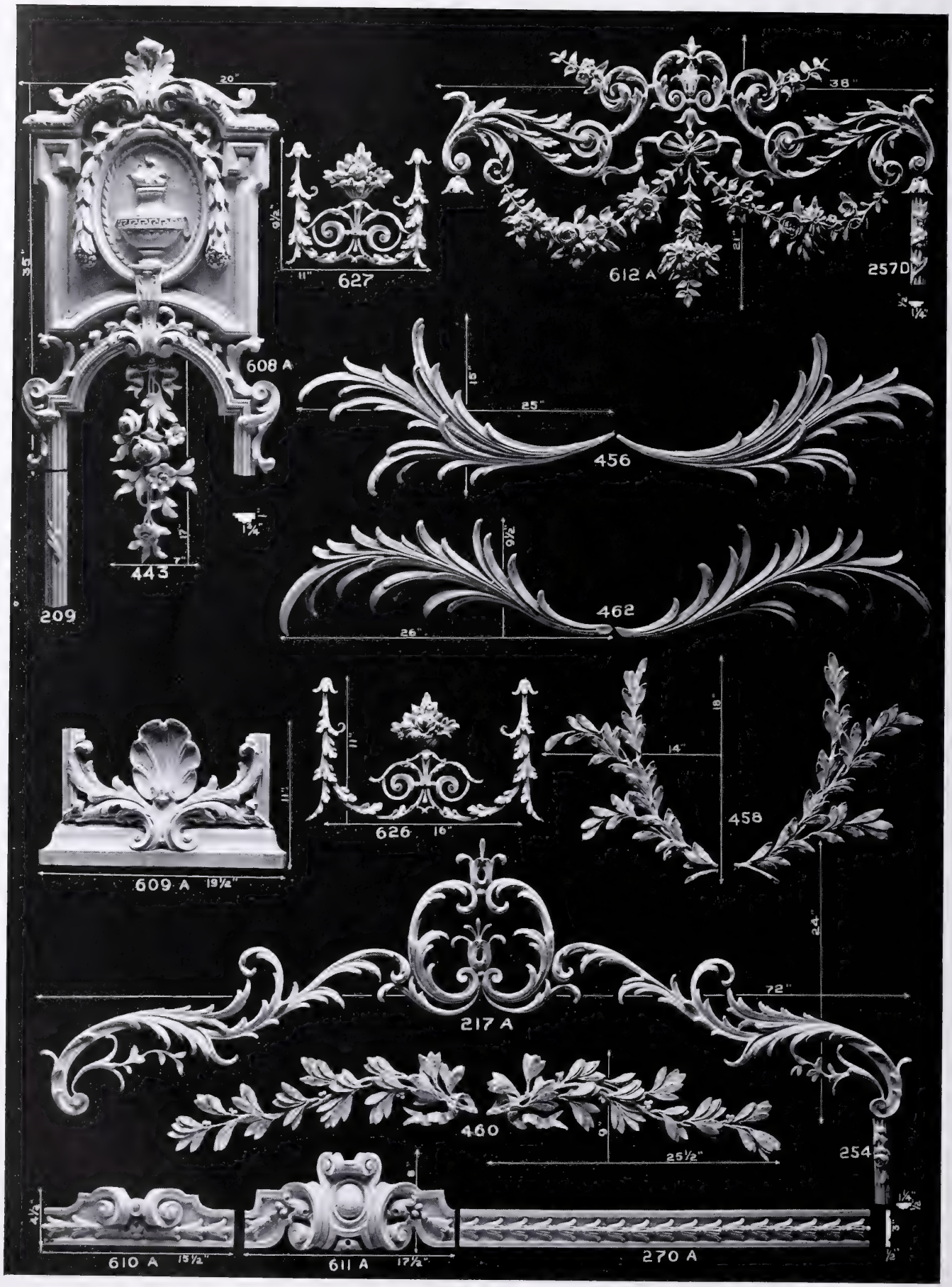

270
374
322 A
325 A
215
336 A
205 B
327 A
332 A
311 A
266
240 B
328 A
331 A
310 B
217 C
323 A
314 A
333 A
219
263
212
207 B
319 A
310 A
63"
24"
33"
21"
28"
15⅝"
15⅜"
12⅜"
15"
19¼"
12¼"
4"
5⅜"
3⅛"
1¾"
2¾"
4¾"
1½"
5"
2½"
9"
12"
3¼"
2¼"
4½"
6⅞"
5⅛"
2"
12½"
1⅛"
3¾"
23¼"
12½"
7¼"
4½"
3⅜"
15⅞"

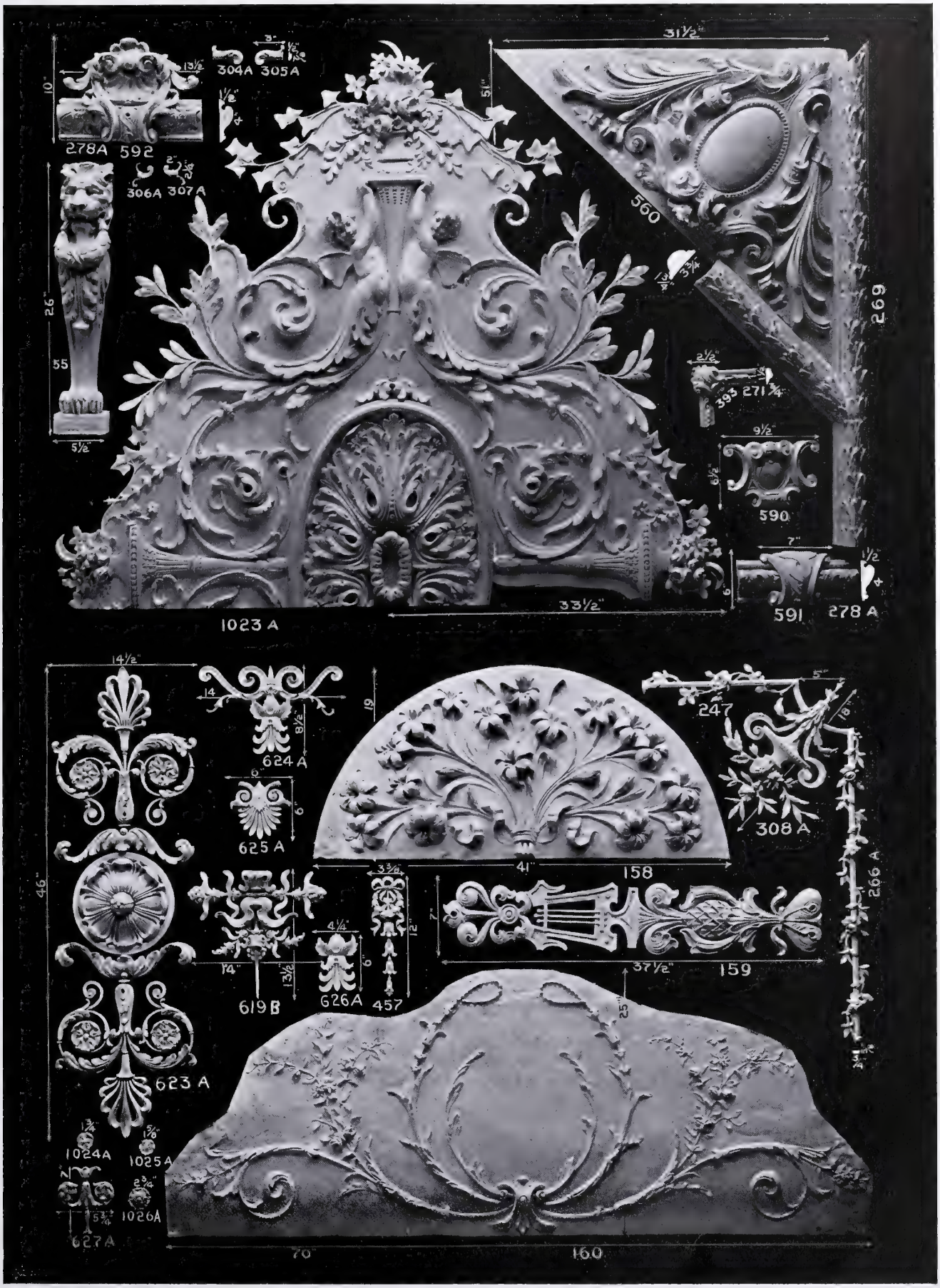

10"
312A
252A
41"
72"
21"
316A
6"Proj.
253A
3"
9"
339A
219
561
321A
4"Proj.
20½"
635A
6½"Proj
28"
259
22"
318A
3"Proj
546A
253A
1¼"Proj.
516A
9½"
12"
324A
1½"Proj.
253A
588A
6¾"
7½"
10"
320A
250
207B
587A
522A
2½"Proj.
255
219
341A
337A
236C
29"
12"
416A
¾"Proj

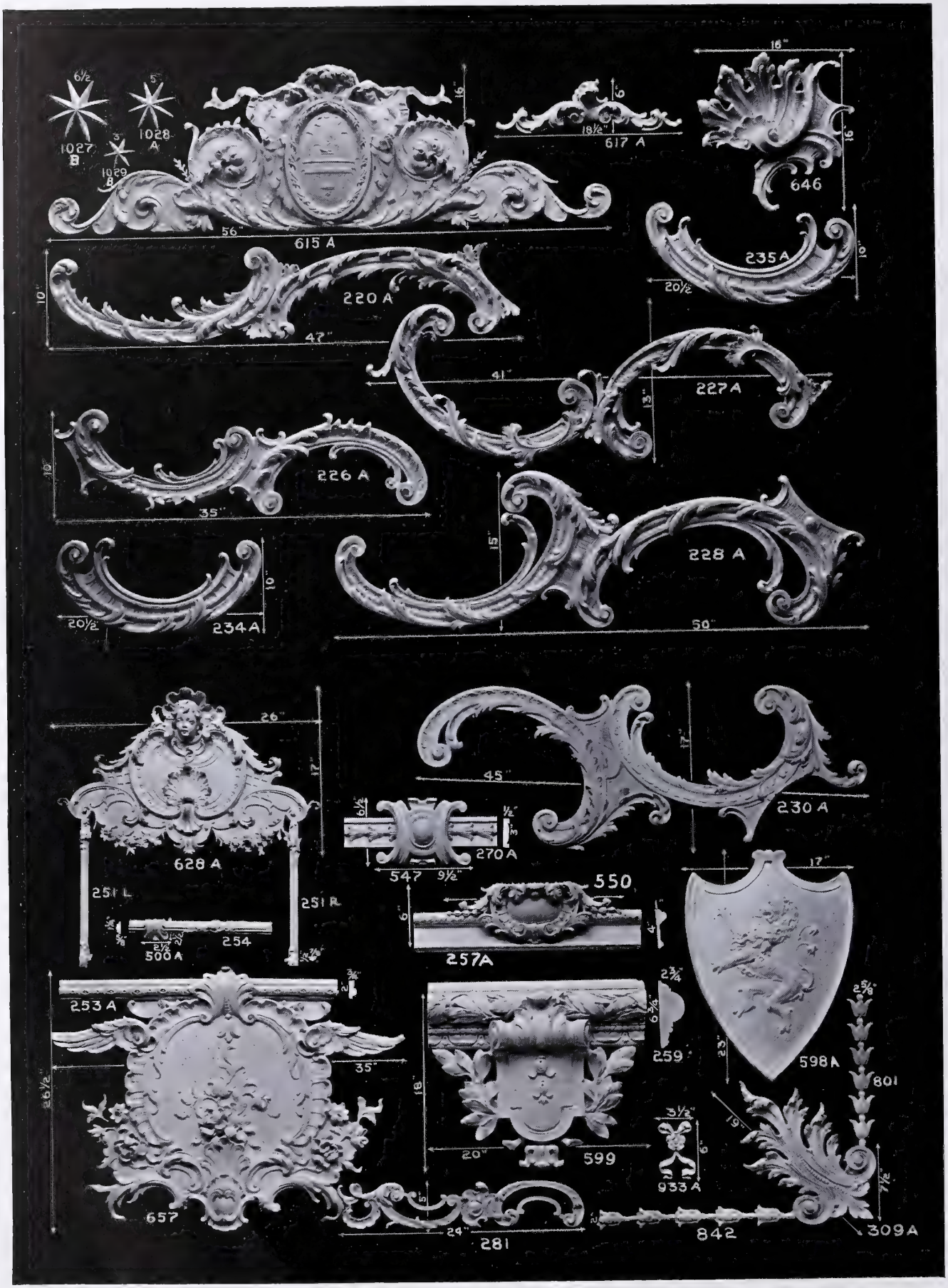

5½"
203
255
385
357
24"
363
247 A
18"
392
433
27½"
16"
29"
218
378
669
300
210
5¼"
395
250 A
271
397
302
9½"
209
210
394
273
373
345
345 A
668
364
307
212
219
685
619 A
310
377
254
649
618 A
10½"
28½"

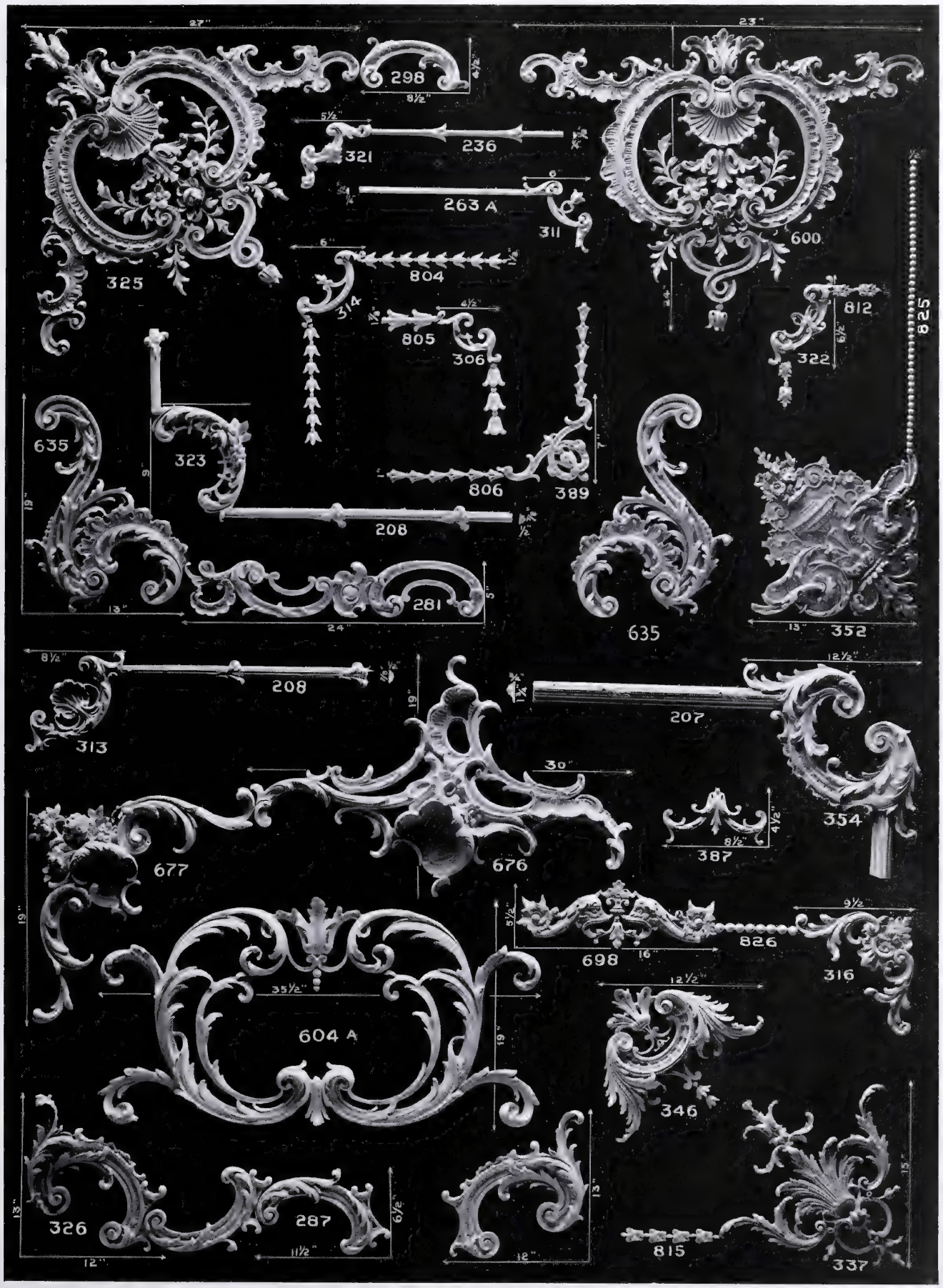

607A
667
253 A
664
209
394
254
250
263 A
219
310
605 A
617
208
603
323
265
606 A
304
604
638
256
376
257 A
606
308
206
303
601
207
396
611
312
602
348
253 A
380
375

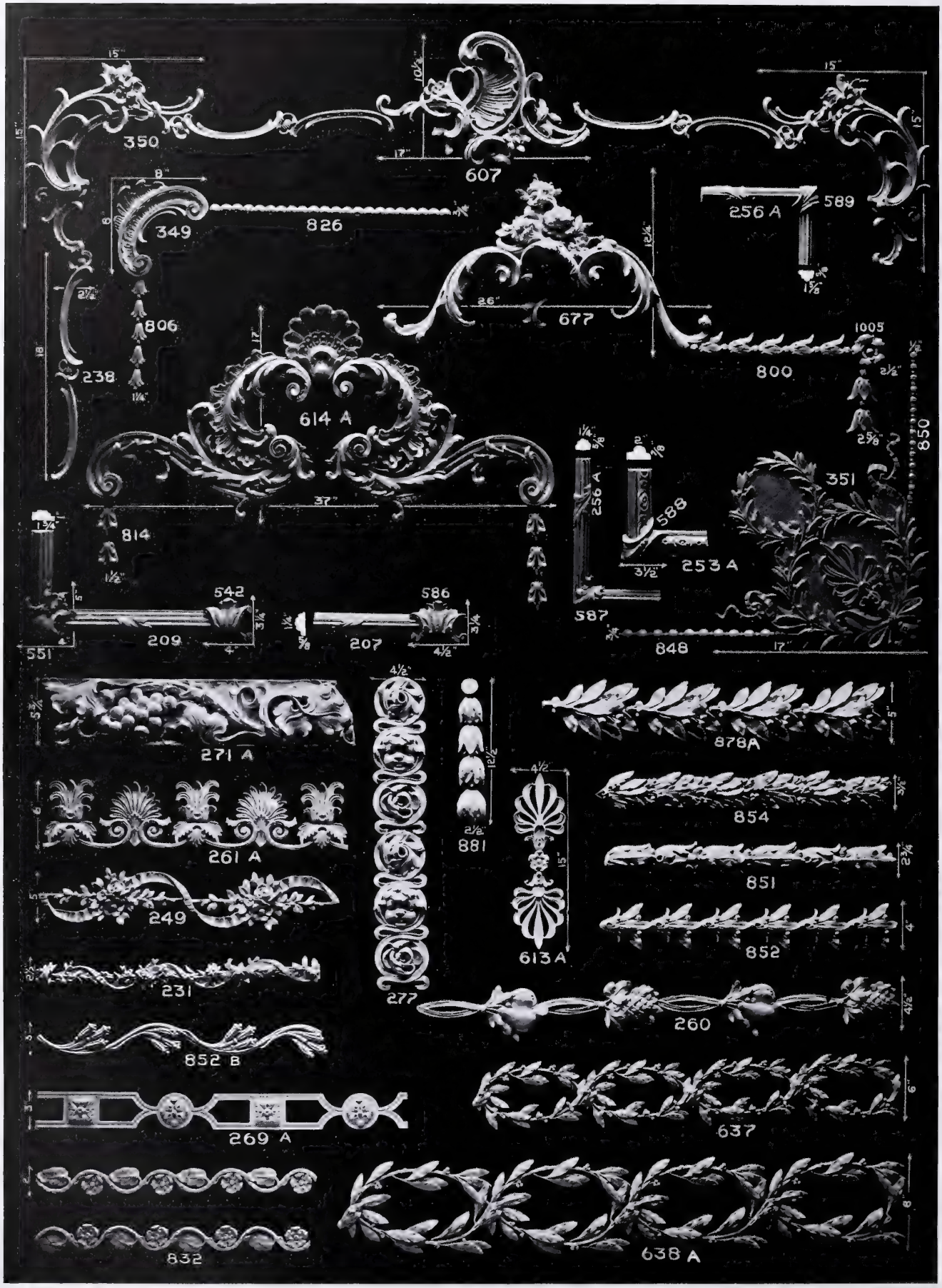

251 A
637
245
388
336
317
318
327
355
319
320
368
251 A
356
329
342
341
233
242
362
266 A
247
334
330
246
340
689
315
358
398
399
390
331
309
232
361

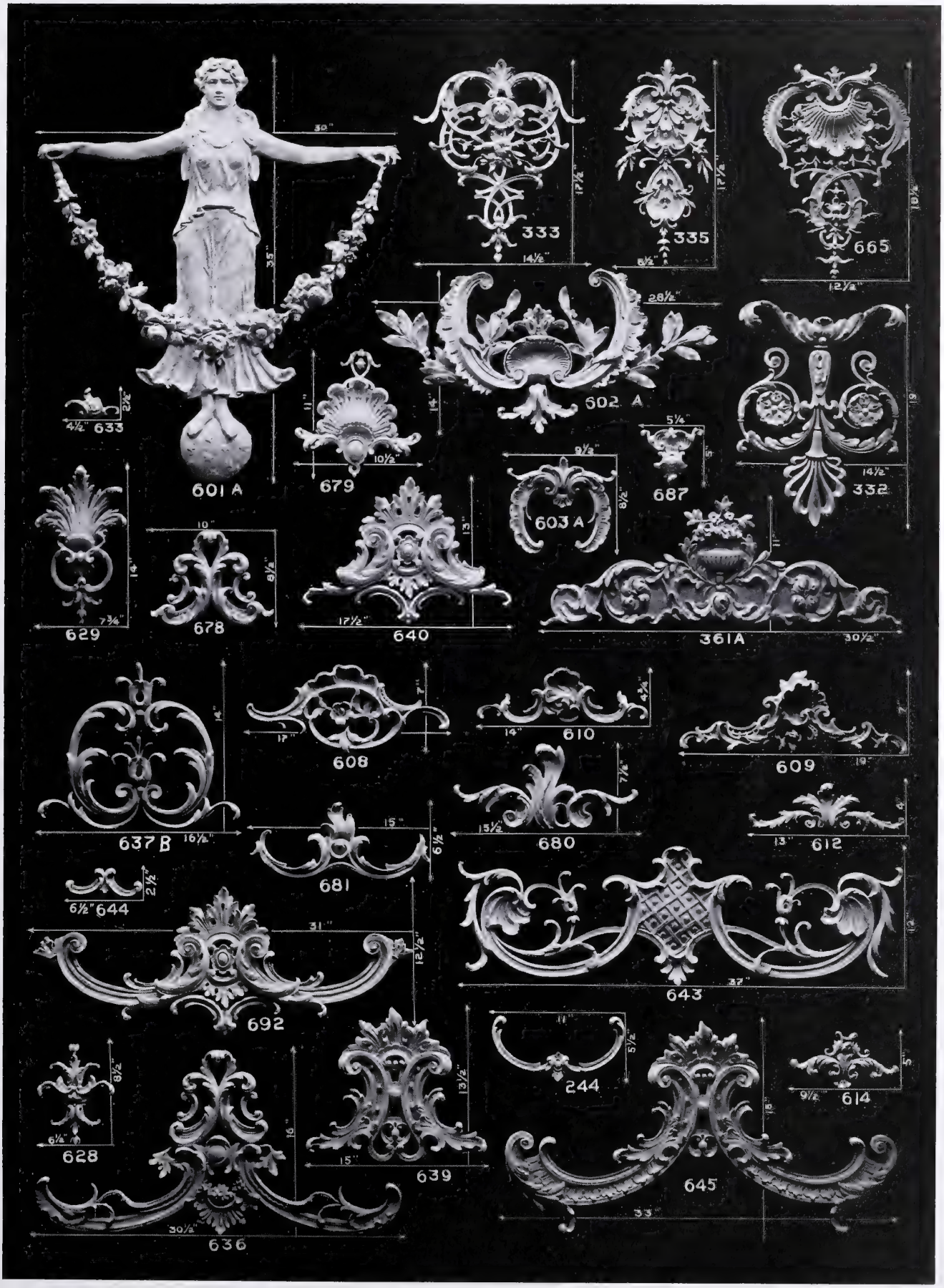

20"
35"
608 A
209
443
7"
1¾"
627
11"
9½"
612 A
38"
21"
257 D
1¼"
456
25"
16"
462
26"
9½"
609 A 19½"
626 16"
458
14"
18"
217 A
72"
24"
460
25½"
254
610 A 15½"
611 A 17½"
270 A

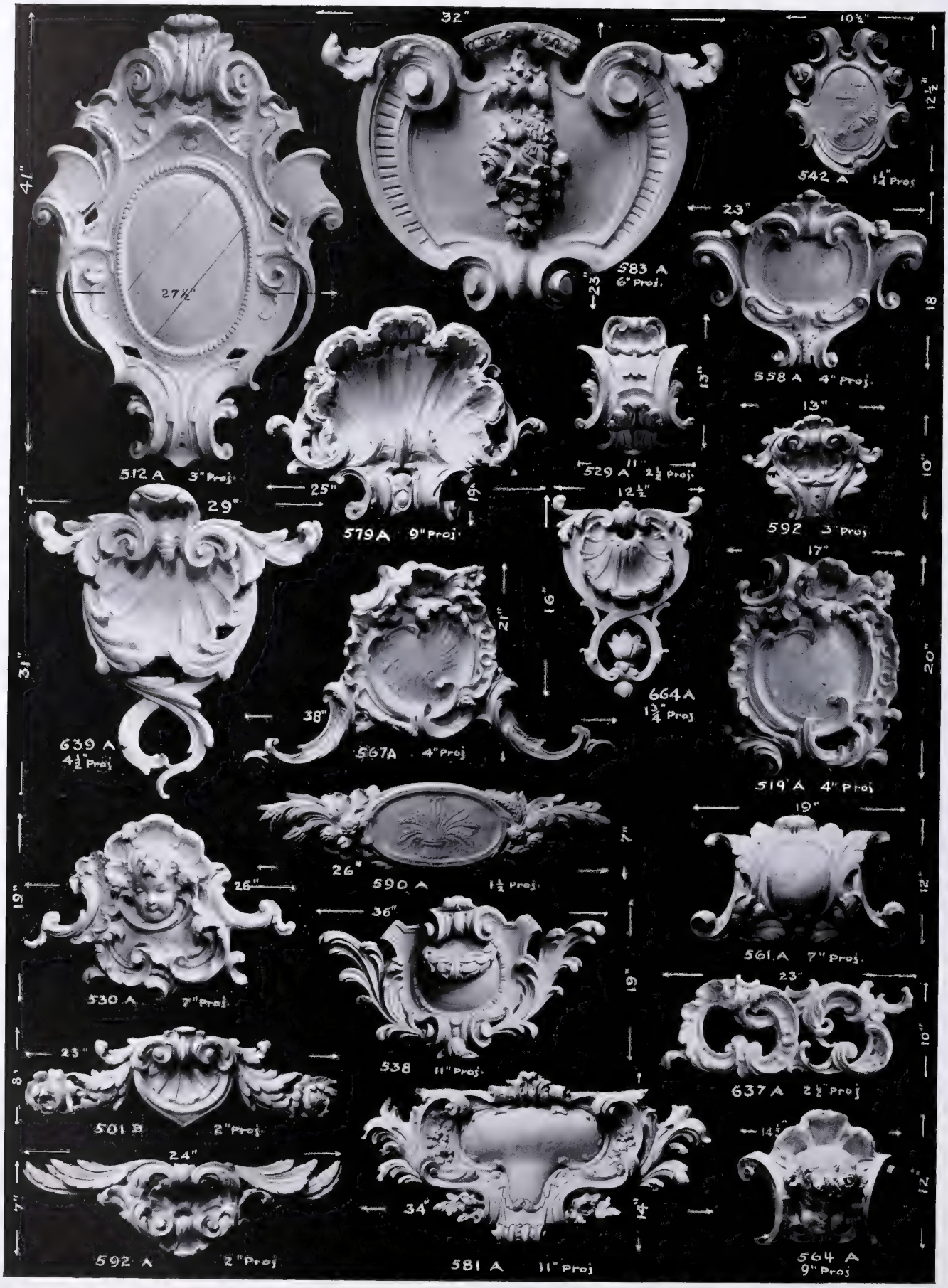

278A 592
304A 305A
306A 307A
560
269
590
591 278A
1023 A
624 A
625 A
247
308 A
158
159
619 B
626A
457
623 A
1024A
1025A
1026A
627A
160

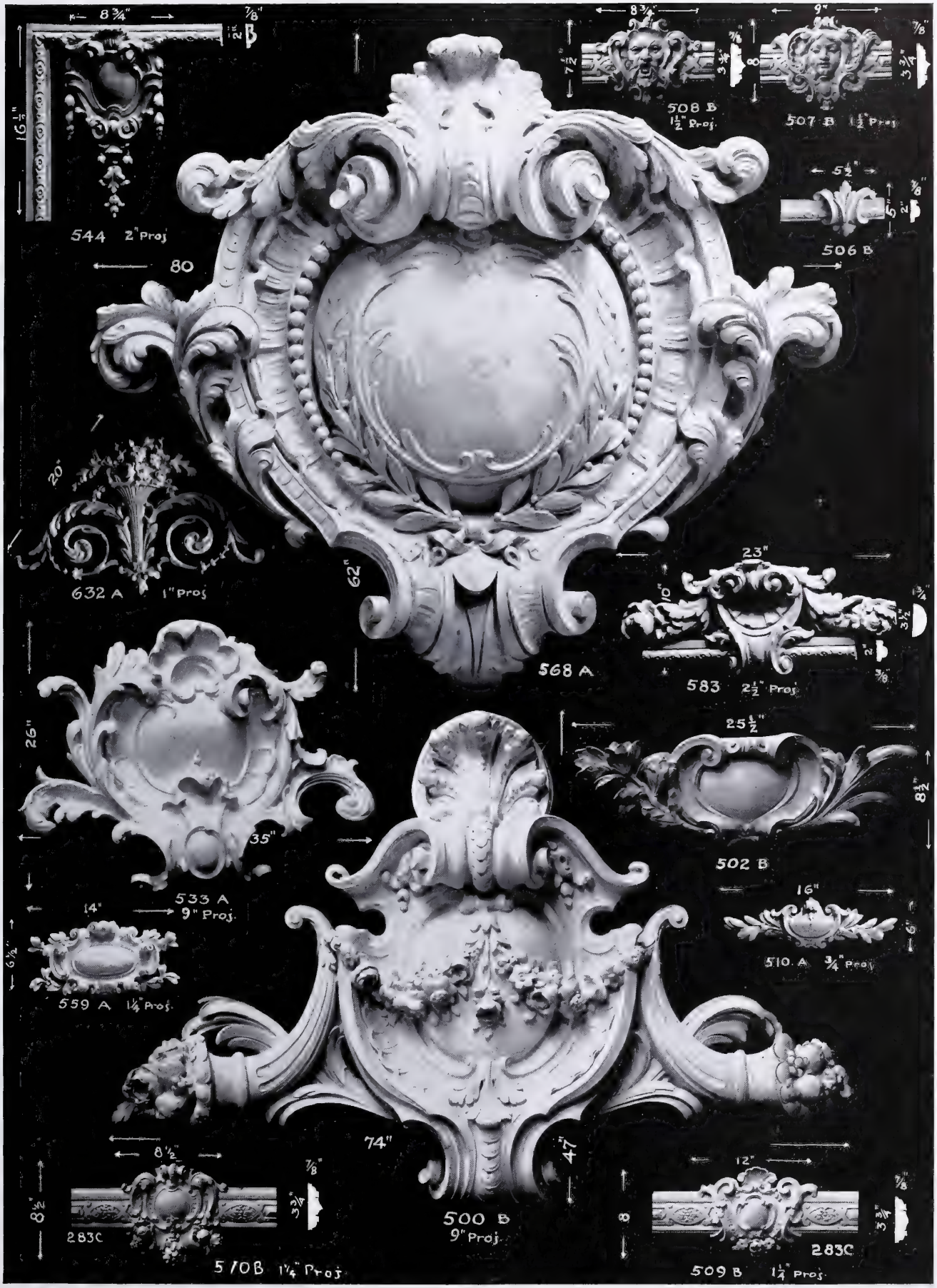

6½"
1027 B
5"
1028 A
3"
1029 B
615 A
56"
617 A
18½"
646
18"
235A
20½"
220 A
47"
227A
41"
226 A
35"
234A
20½"
228 A
50"
230 A
45"
628 A
26"
251 L
251 R
254
2½"
500A
270A
547
9½"
550
257A
253 A
35"
657
259
598A
801
933 A
3½"
599
20"
281
24"
842
309A

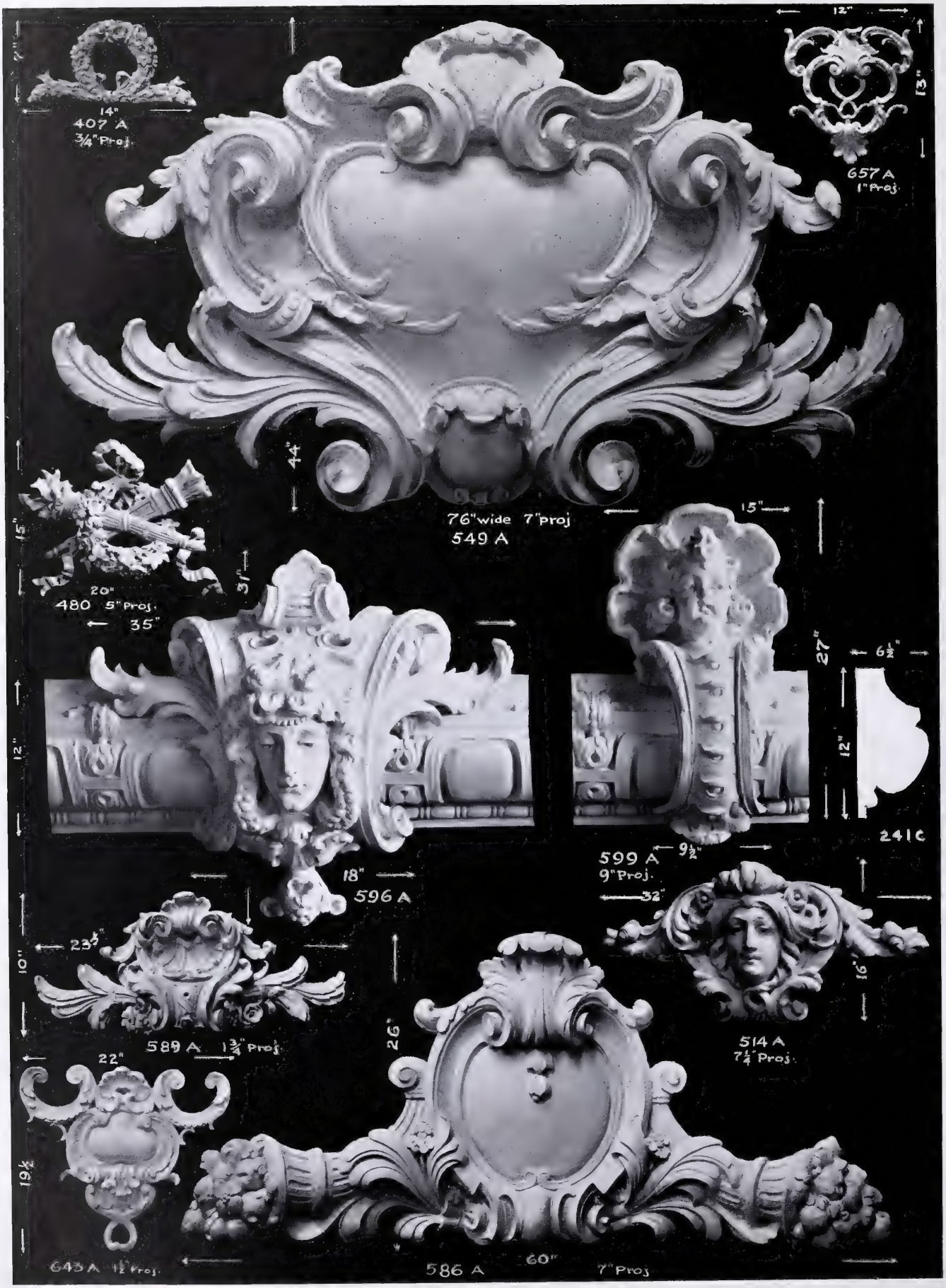

298
321
236
263 A
311
325
600
804
805
306
812
322
825
635
323
806
389
208
281
635
352
208
313
207
354
677
676
387
826
698
316
604 A
346
326
287
815
337

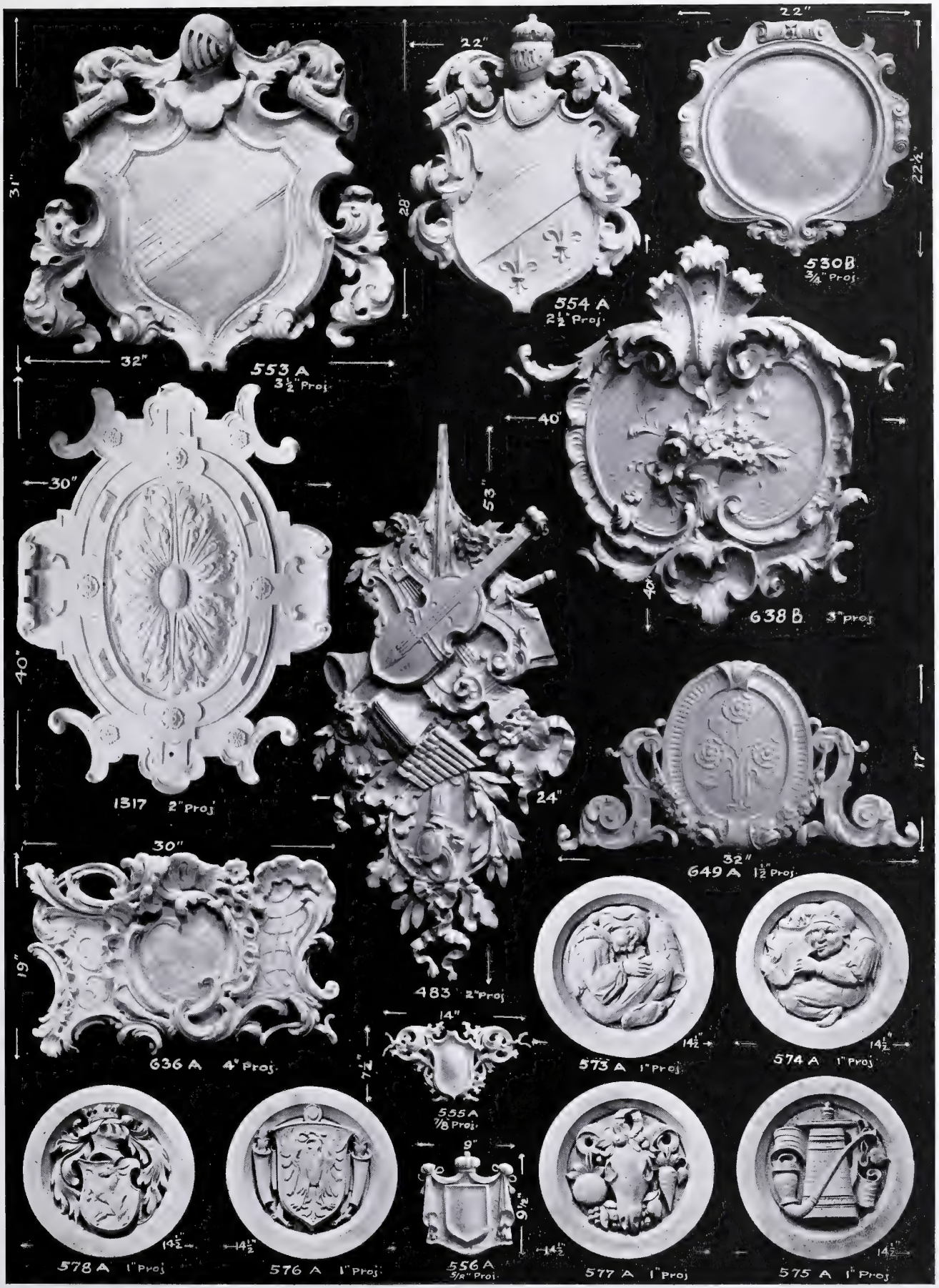

350
607
826
349
256 A
589
806
677
238
800
1005
614 A
850
351
814
588
253 A
587
848
542
209
586
207
551
271 A
881
878A
261 A
854
249
851
613 A
852
231
277
260
852 B
637
269 A
832
638 A

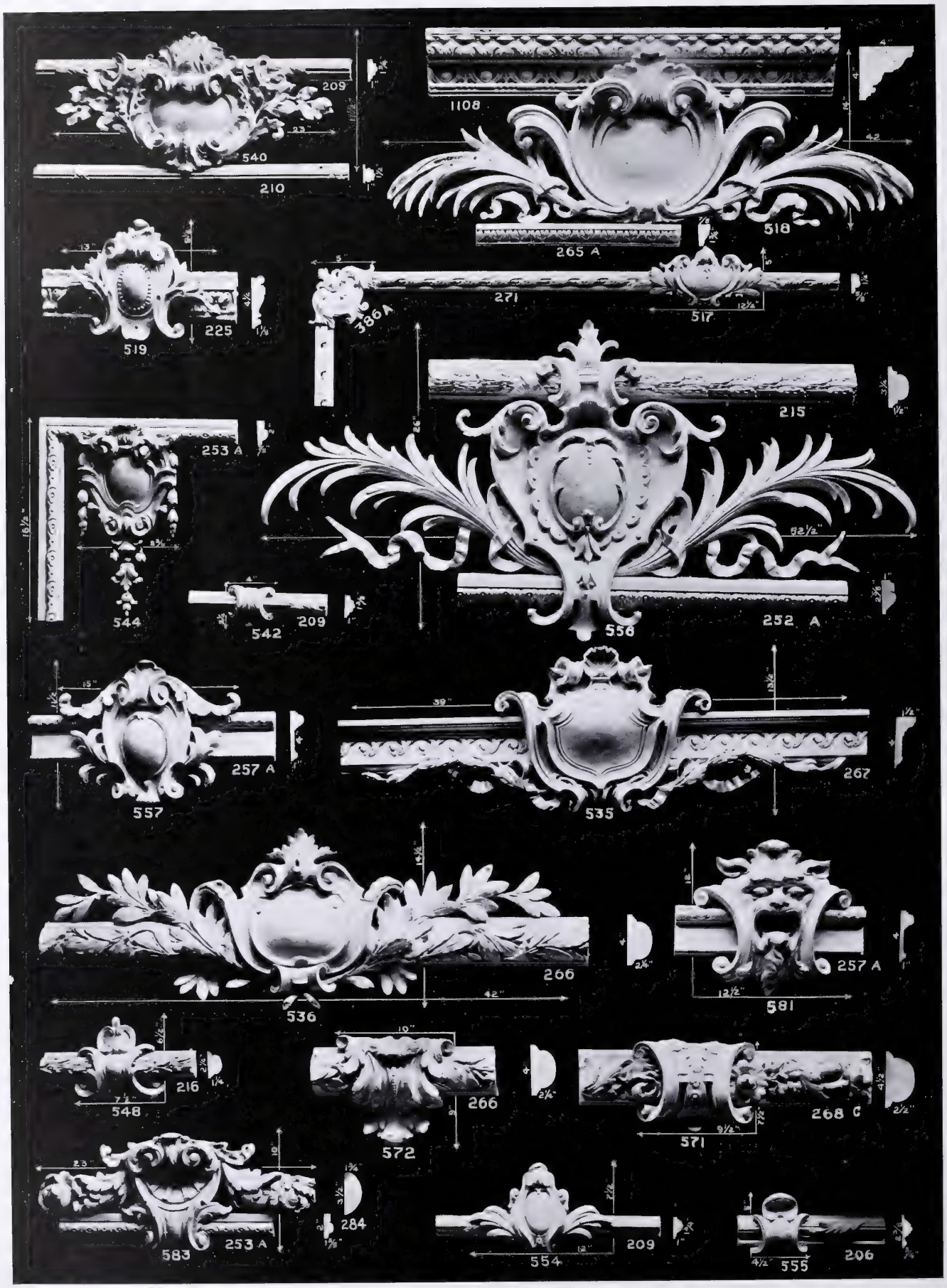

601 A
633
679
333
335
665
502 A
687
603 A
332
629
678
640
361A
637 B
608
610
609
680
612
681
644
643
692
628
639
244
614
645
636


32"
10½"
41"
27½"
583 A
6" Proj.
542 A
1¼" Proj
23"
558 A 4" Proj.
512 A 3" Proj.
25"
579 A 9" Proj.
529 A 2½ Proj.
12½"
13"
592 3" Proj.
29"
639 A
4½" Proj
38"
567 A 4" Proj
664 A
1¾" Proj
17"
519 A 4" Proj
19"
26"
590 A 1½ Proj.
561 A 7" Proj.
530 A 7" Proj.
36"
538 11" Proj.
637 A 2½" Proj
501 B 2" Proj.
24"
592 A 2" Proj
581 A 11" Proj
564 A
9" Proj


544 2" Proj
80
632 A 1" Proj
62"
568 A
508 B 1½" Proj.
507 B 1½" Proj.
506 B
583 2½" Proj.
502 B
510 A ¾" Proj.
533 A 9" Proj.
559 A 1¼" Proj.
500 B 9" Proj.
570 B 1¼" Proj.
509 B 1¼" Proj.
283C
283C

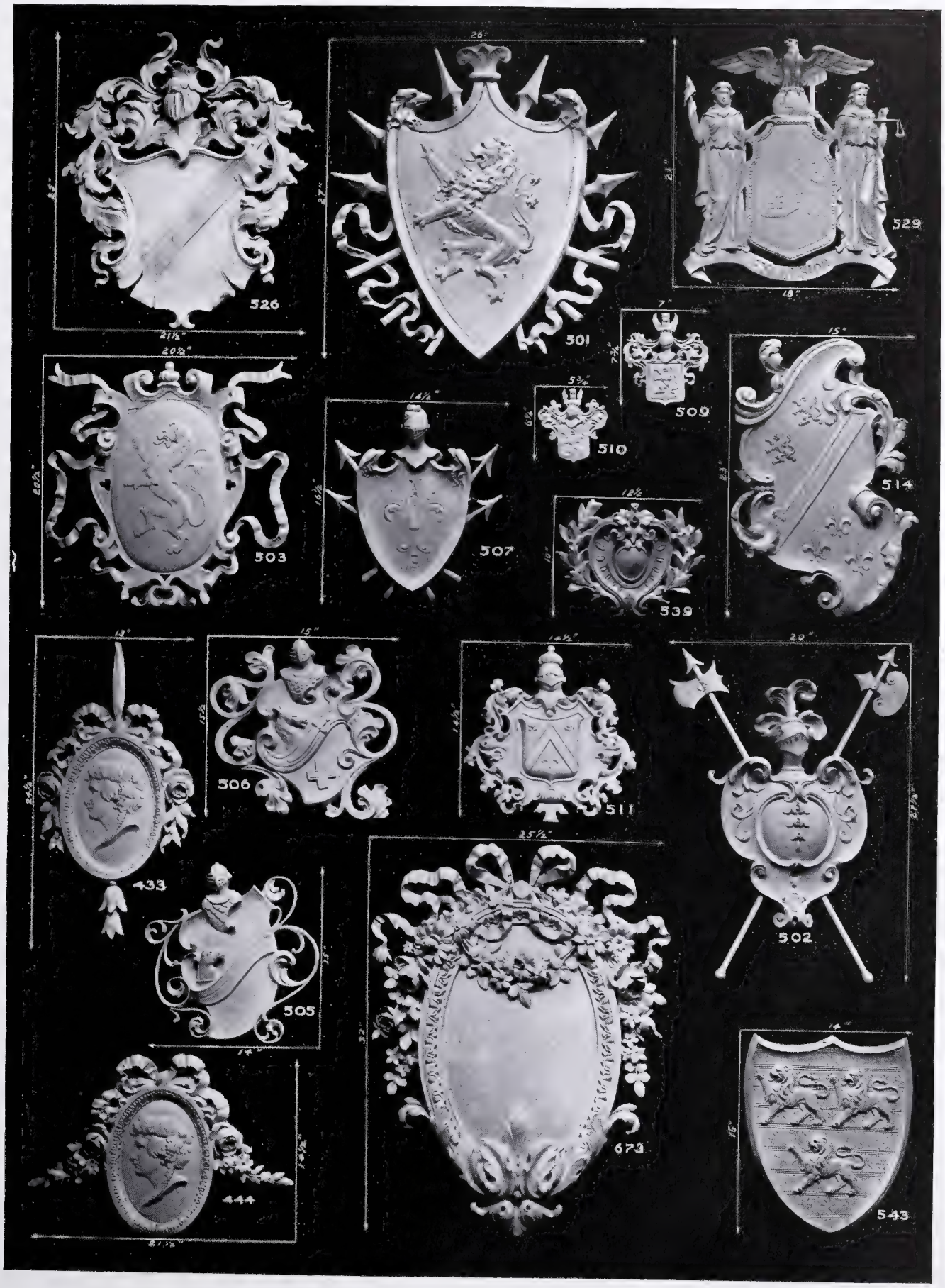

14"
407 A
¾" Proj.
12"
13"
657 A
1" Proj.
44"
76" wide 7" proj
549 A
15"
15"
20"
480 5" Proj.
35"
31"
27"
6½"
12"
241 C
12"
599 A
9" Proj.
9½"
18"
596 A
32"
23⅝"
10"
589 A 1¾" Proj.
22"
26"
514 A
7¼" Proj.
19½
643 A 1½" Proj.
586 A
60"
7" Proj

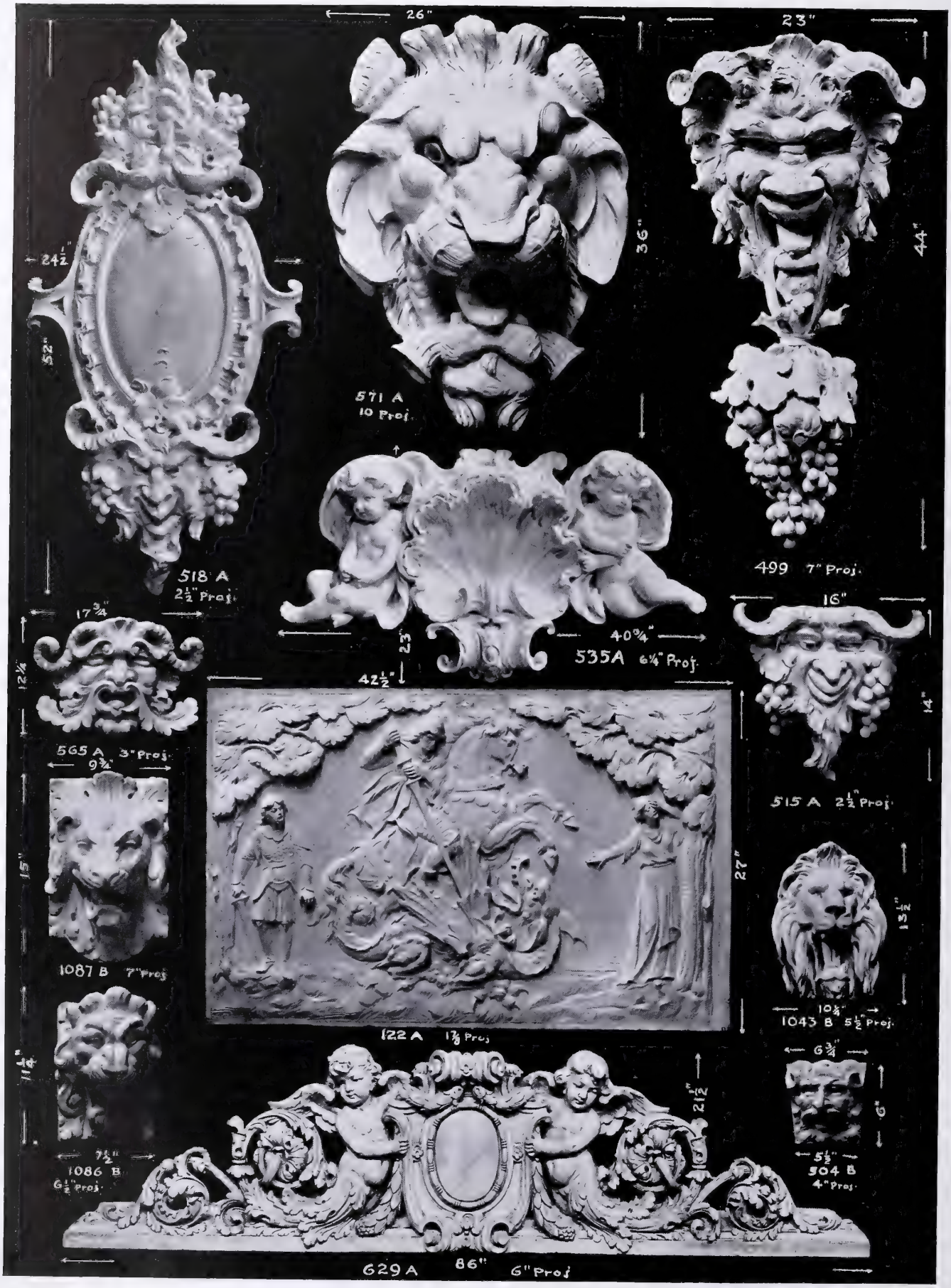

31"
32"
553 A
3½" Proj.
22"
28"
554 A
2½" Proj.
22"
22½"
530B
¾" Proj.
40"
30"
1317 2" Proj.
53"
24"
483 2" Proj.
40"
40"
638 B 3" proj.
17"
32"
649 A 1½" Proj.
30"
19"
636 A 4" Proj.
14"
7½"
555 A
⅞ Proj.
573 A 1" Proj.
574 A 1" Proj.
9"
9½"
578 A 1" Proj.
576 A 1" Proj.
556 A
⅜" Proj.
577 A 1" Proj.
575 A 1" Proj.

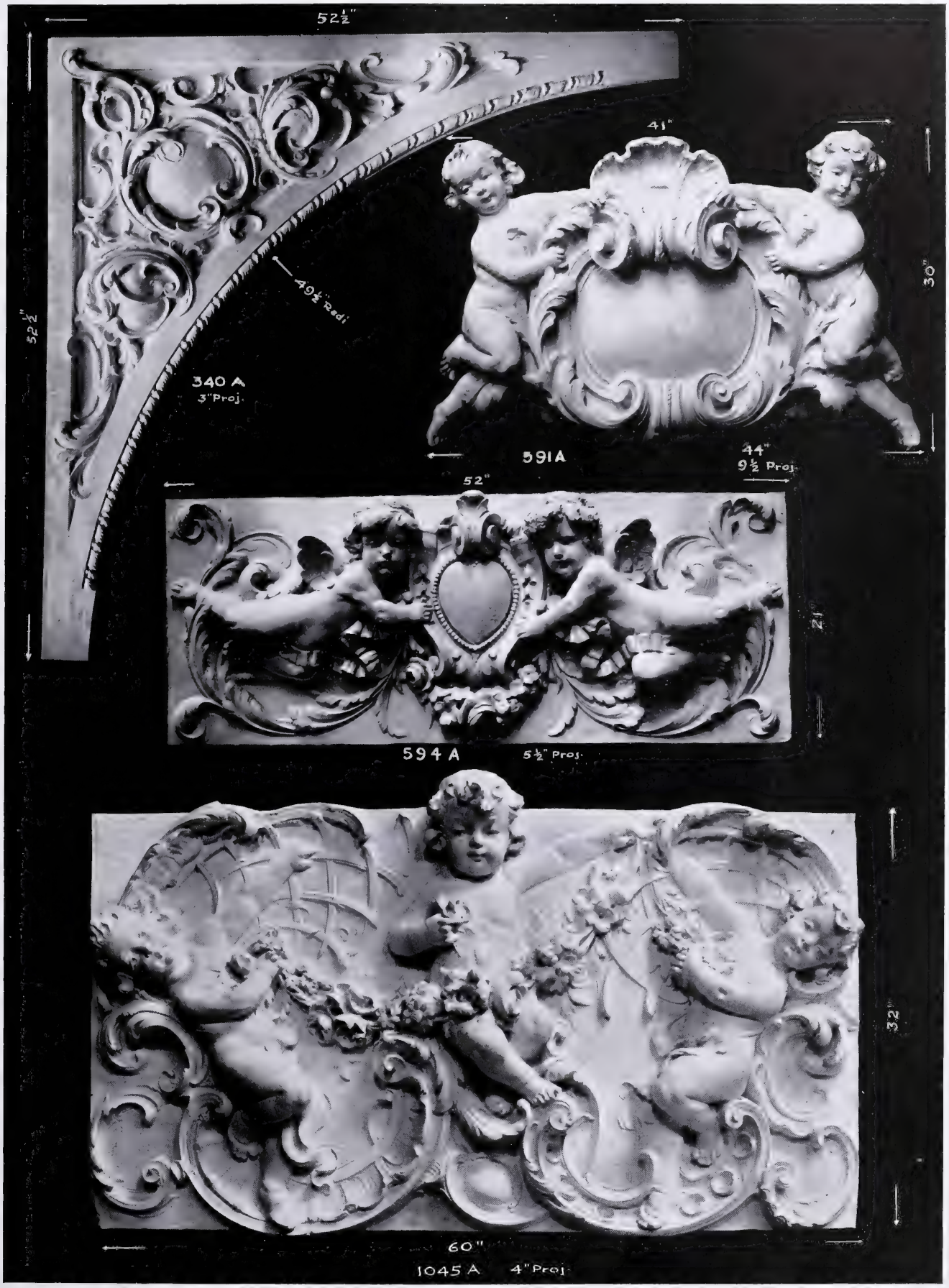

209
540
210
1108
518
265 A
519
225
271
517
386 A
215
253 A
544
542
209
556
252 A
257 A
557
267
535
266
536
257 A
581
216
548
266
572
268 C
571
583
253 A
284
554
209
555
206

584
528
550 B
549
699
522
575
576
255
607
641
251 L
251 R
269
600 A
500

683
682
512
513
515
508
578
577
582
684
527
631
685A
504
690
467
695
476
691
566
567
567


526
501
529
503
507
509
510
514
539
433
506
511
502
505
673
444
543

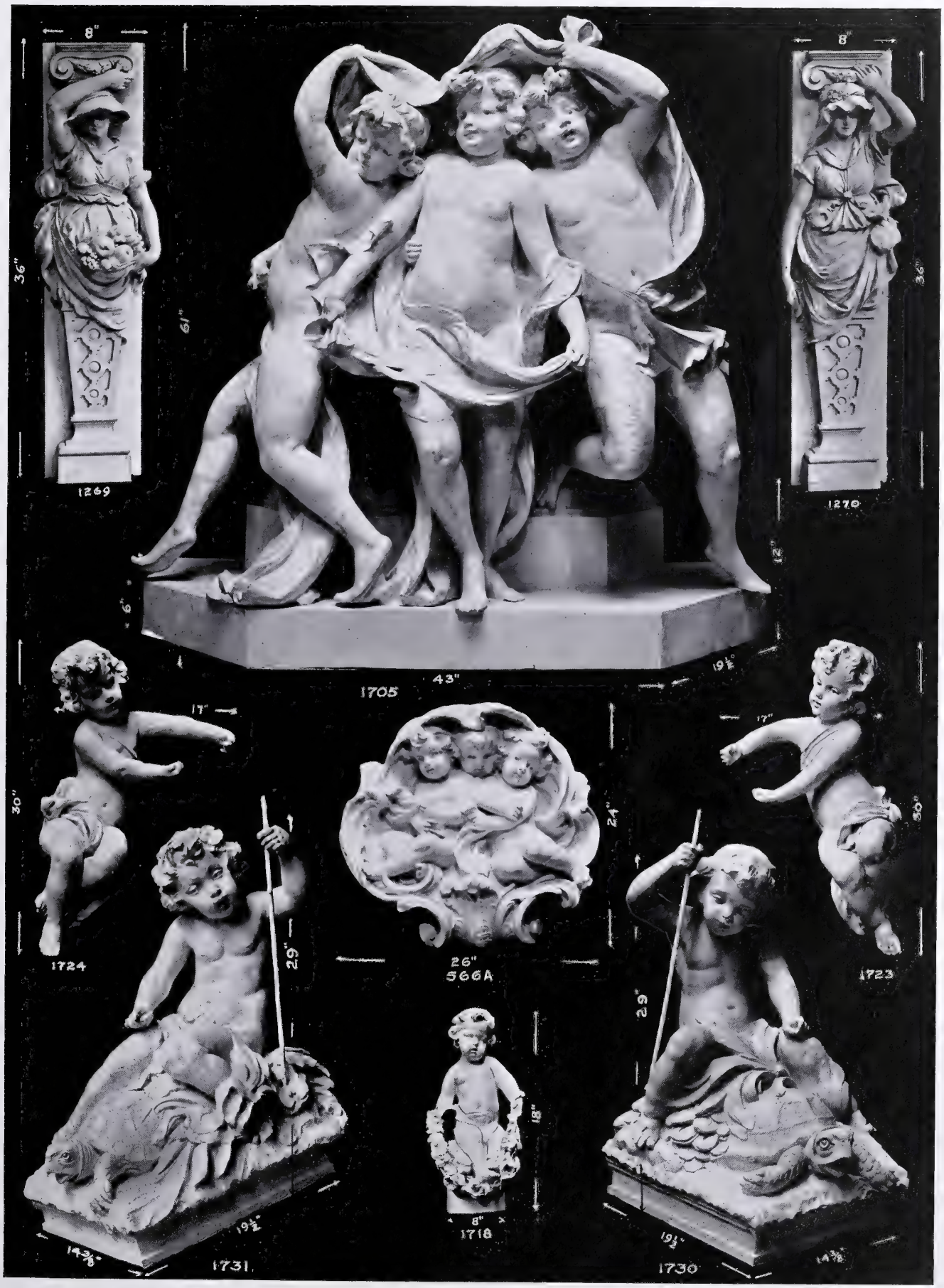

26"
23"
36"
44"
24½"
52"
571 A
10 Proj.
499 7" Proj.
518 A
2½" Proj.
40¾"
535A 6¼" Proj.
42½"
16"
17¾"
12¼"
14"
565 A 3" Proj.
9¾"
515 A 2½" Proj.
15"
27"
1087 B 7" Proj.
122 A 1⅞ Proj.
10¾"
1043 B 5½" Proj.
6¾"
7½"
1086 B
6½" Proj.
504 B
4" Proj.
629 A 86" 6" Proj.


52½"
52½"
49½" Radi.
340 A
3" Proj.
41"
30"
591A
44"
9½ Proj.
52"
21"
594 A
5½" Proj.
60"
32"
1045 A
4" Proj.

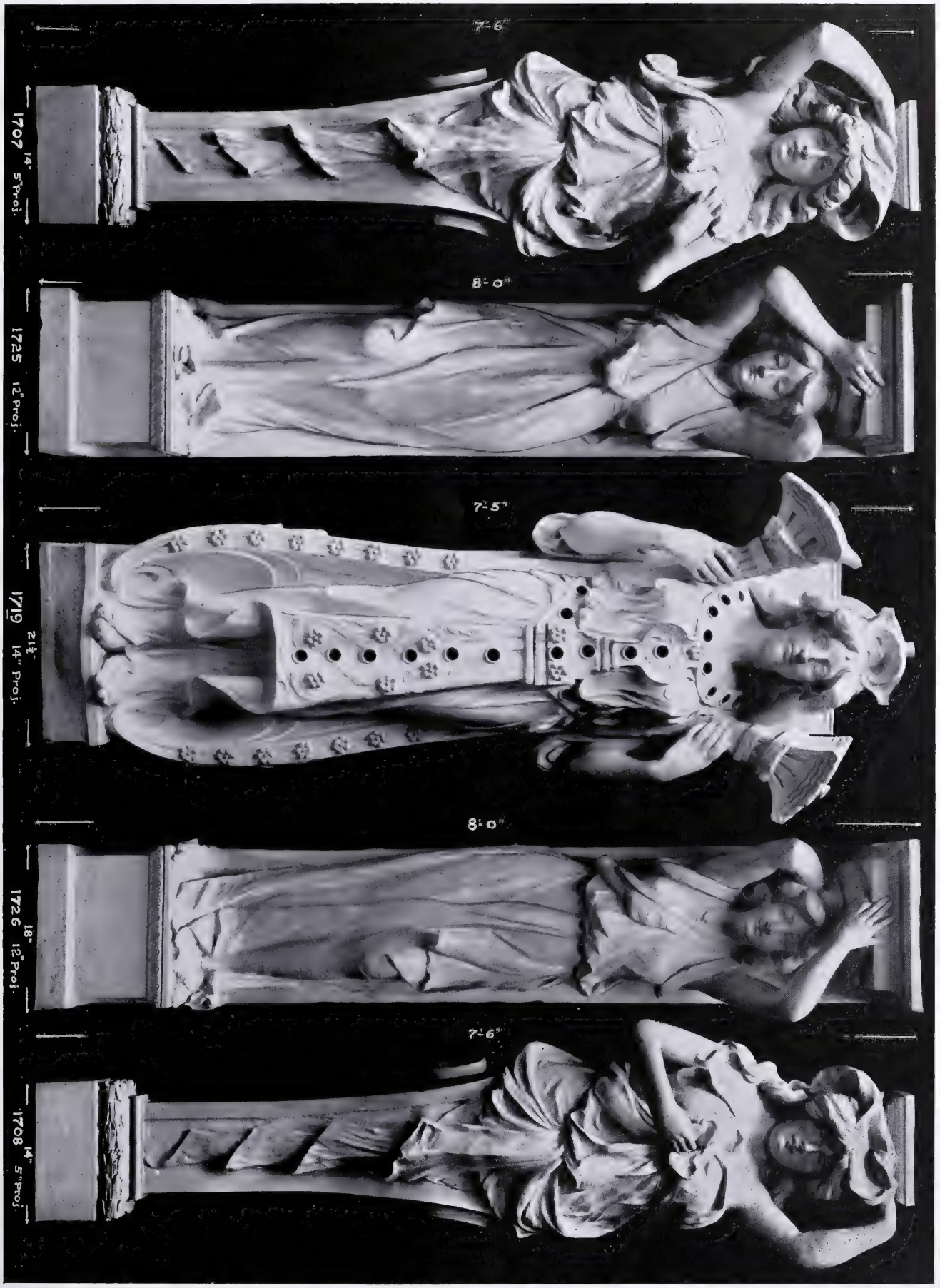
66"
25 3/8"
7" Proj. on bottom
7 5/8" " " top
505 B
33"
26"
48 1/2"
28"
8 1/2"
1747
595 A
10" Proj.
7"
1743
7 1/2
49
8 1/2"
1729
7"
7 1/2"
37"
28"
18 1/2"
7"
1728
7 1/2"
1744
1713
56"
6" Proj.

38"
41"
22½
1738
17"
20½
59 B
9" Proj.
38"
49"
18"
1737
25½"
11½"
670 A
6" Proj.
19½"
17"
492
9" Proj.
44" High
48"
524 A
6¼" Proj.

6½"
15"
4"
660A
29"
42"
1732
12"
70"
28"
1706
10½" Proj.
72"
23"
1736
13½" Diam.
35"
23"
1735
3" Proj. at Base
19"
1740
6¾"
18"
42"
1733
12"
29"
6½"
1741
23"
659A
42"
23"
10½"
1734
1739
5½"
8¼"


8"
36"
61"
1269
8"
36"
1270
6"
1705
43"
19½"
17"
30"
1724
26"
566A
24"
17"
30"
1723
29"
29"
18"
8"
1718
19½"
14⅜"
1731
19½"
14⅜"
1730

35"
8½"
1717
63"
15"
1714
61"
15"
1742
76"
18"
1715
44"
37"
9"
1710
37"
44"
9"
1709
55"
10"
1745
35"
9¼"
1746

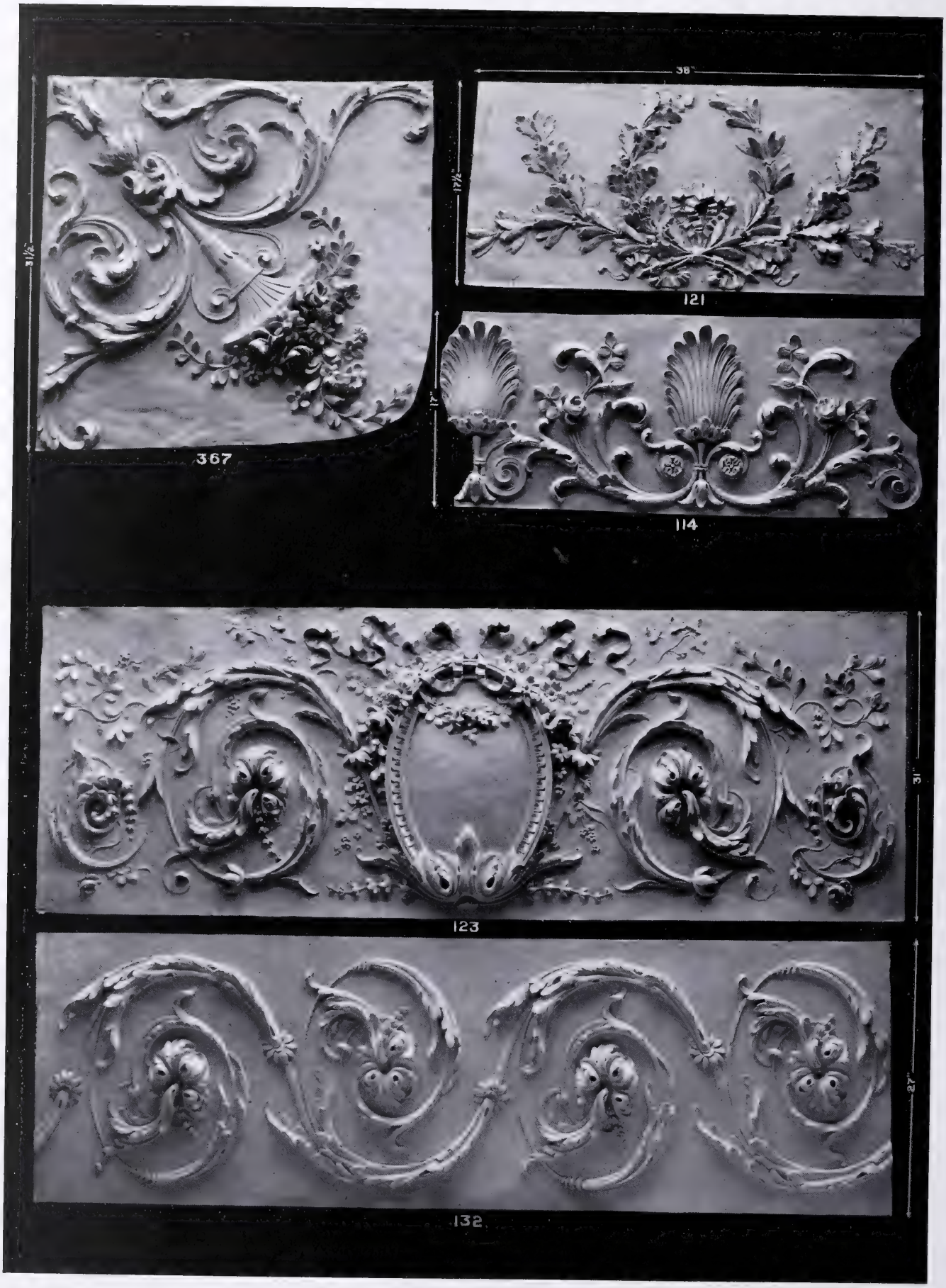

7'-6"
1707 14" 5" Proj.
8'-0"
1725 12" Proj.
7'-5"
1719 21½" 14" Proj.
8'-0"
1726 18" 12" Proj.
7'-6"
1708 14" 5" Proj.

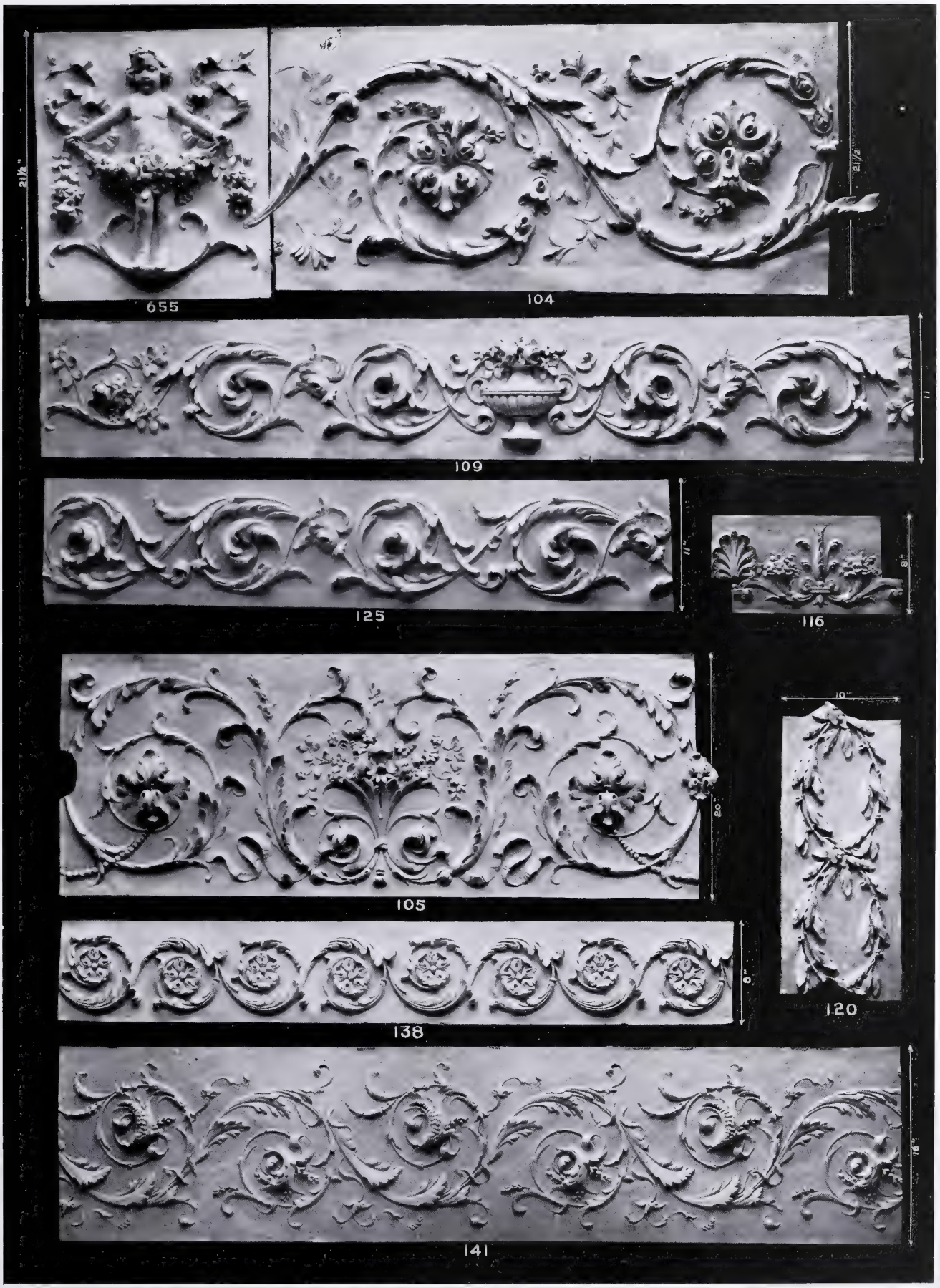
1703 B
1702 B
3'-6"
4-6"
3'-6"

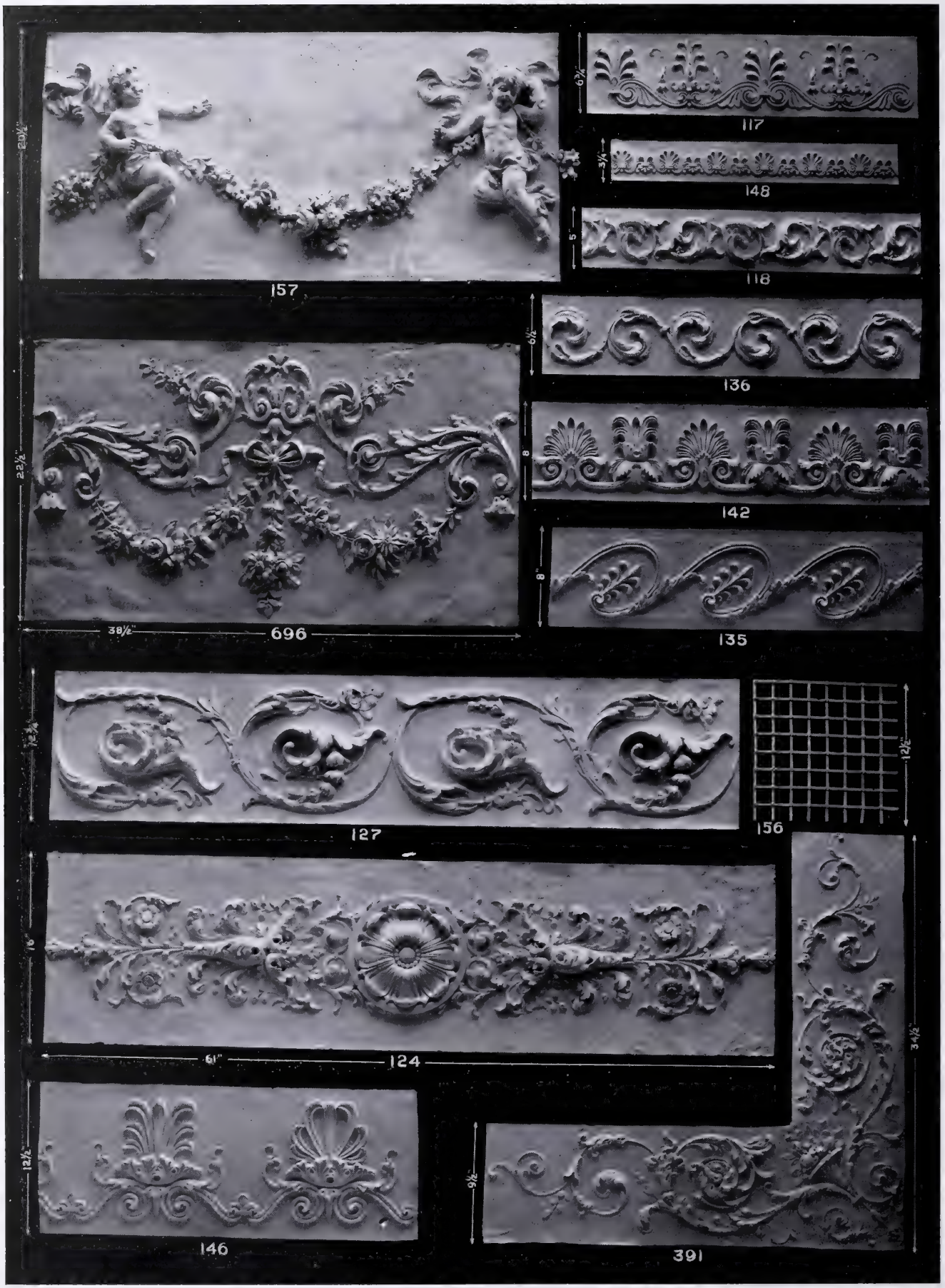
10'-0"
10'-0"
1700
2'-0" Proj.
17
9" Diam.
3'-11"
15'-6"
1701

29"
37½"
540 A
7½" Proj.
29"
541 A
7½" Proj.
4'-5¼"
9½"
36"
12"
5½"
96 B
18"
50 B
SIDE
15"
22"
FRONT
16"
1720
14" Proj.
25"
17"
SIDE
1724A
48"
24"
FRONT
28
39"
1730A

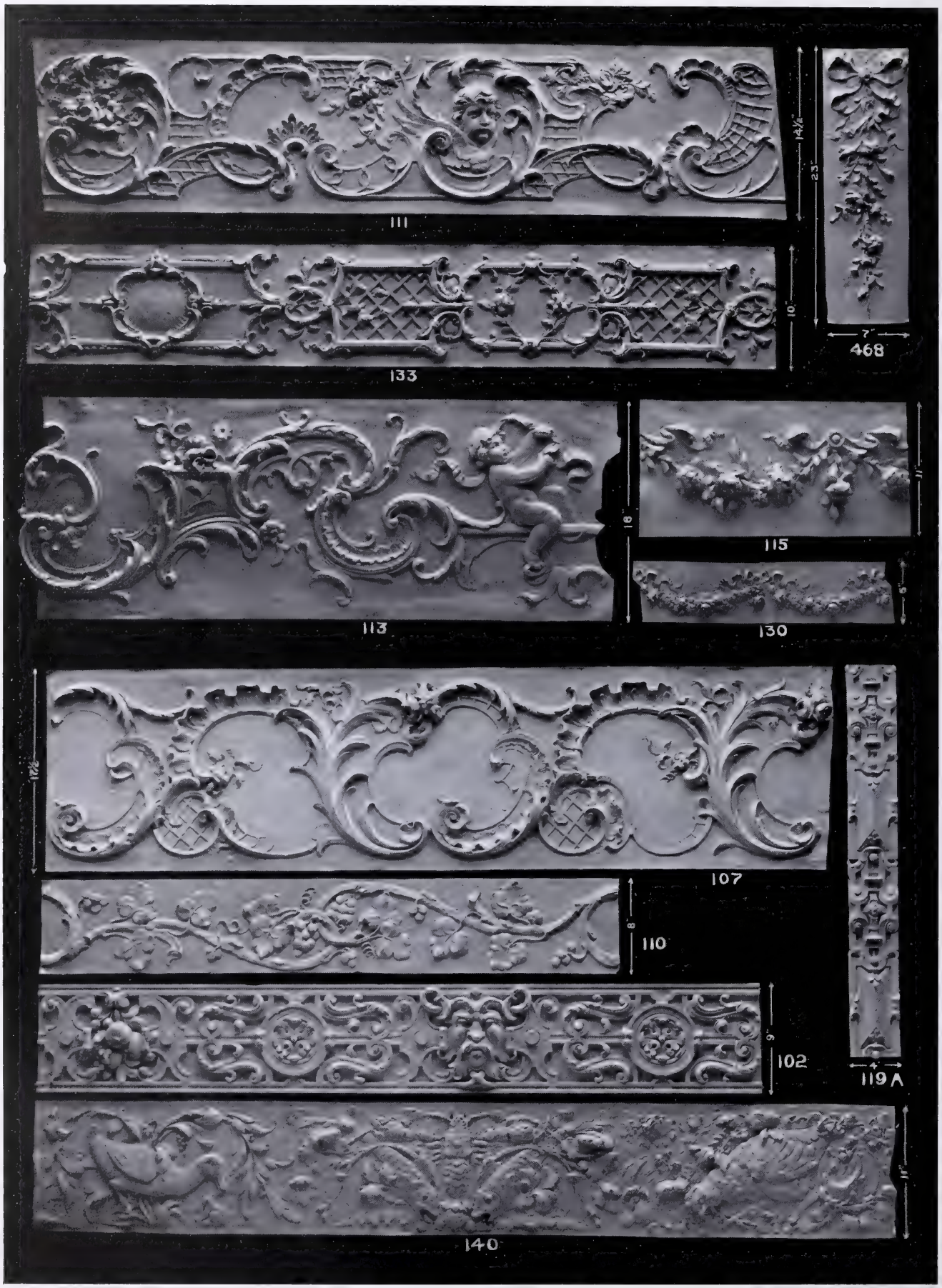
101
65"
101 A
101 B
73"
147
79"

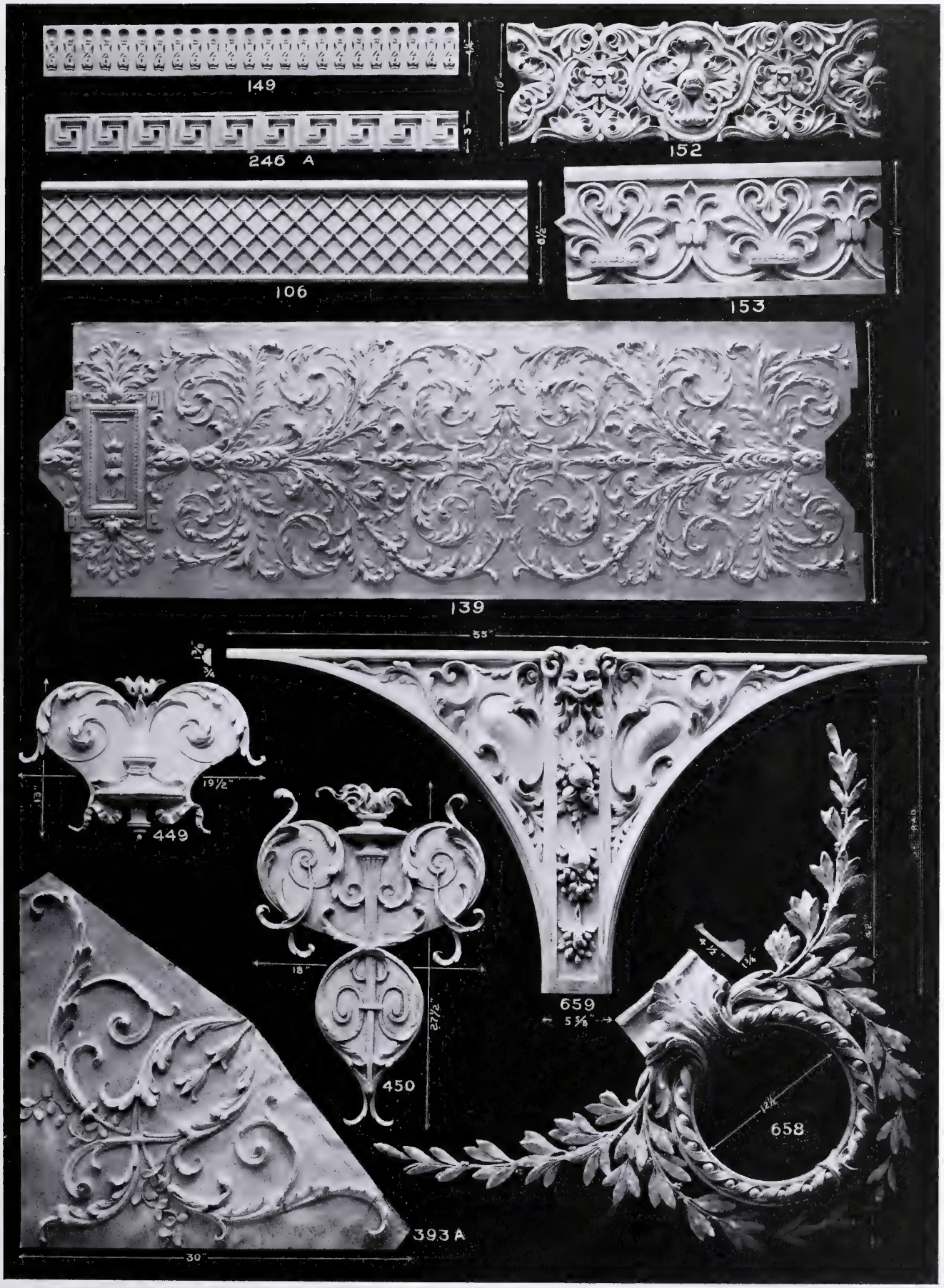

38"
12½"
121
367
114
123
132

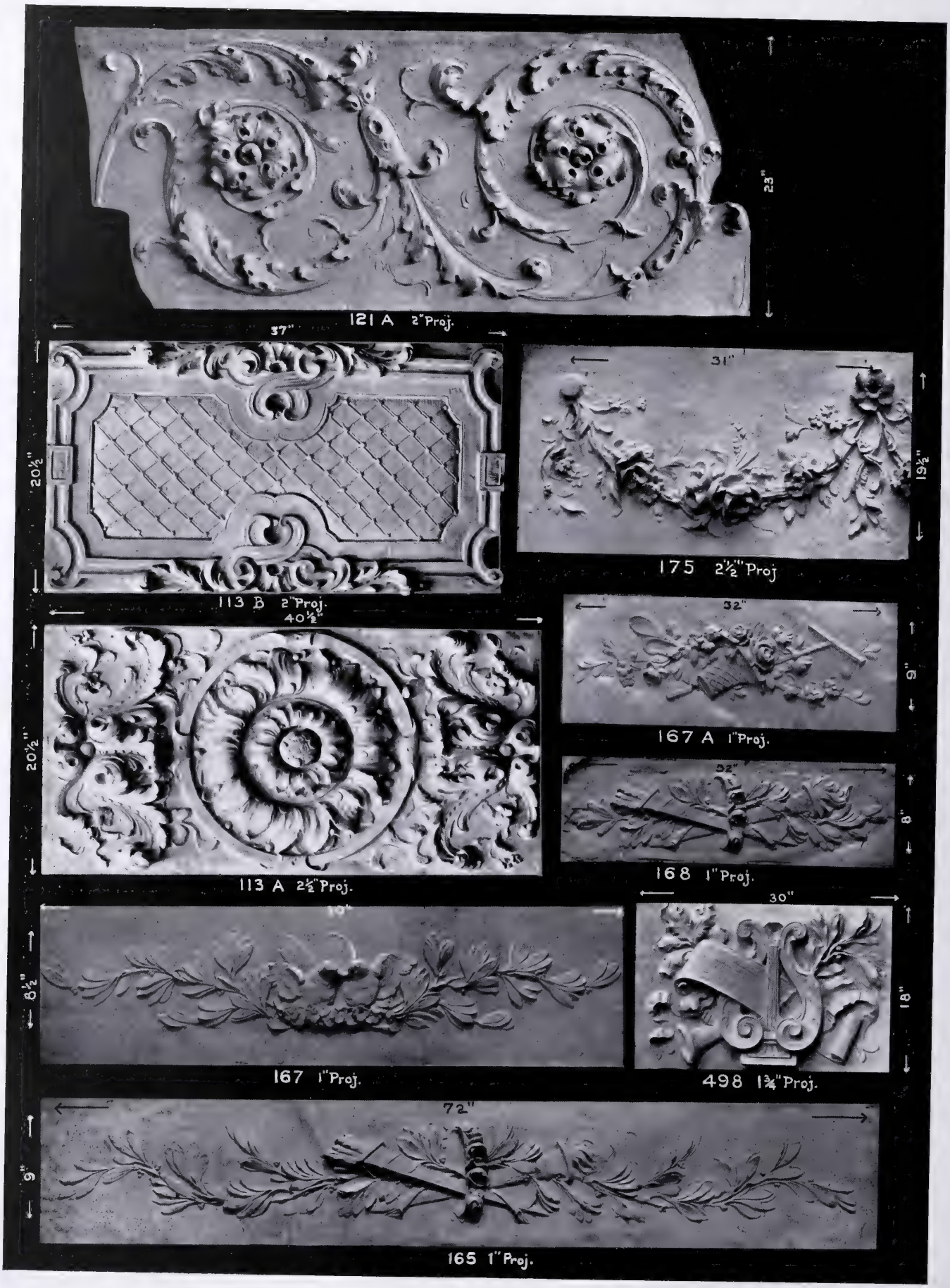

655
104
109
125
116
105
120
138
141

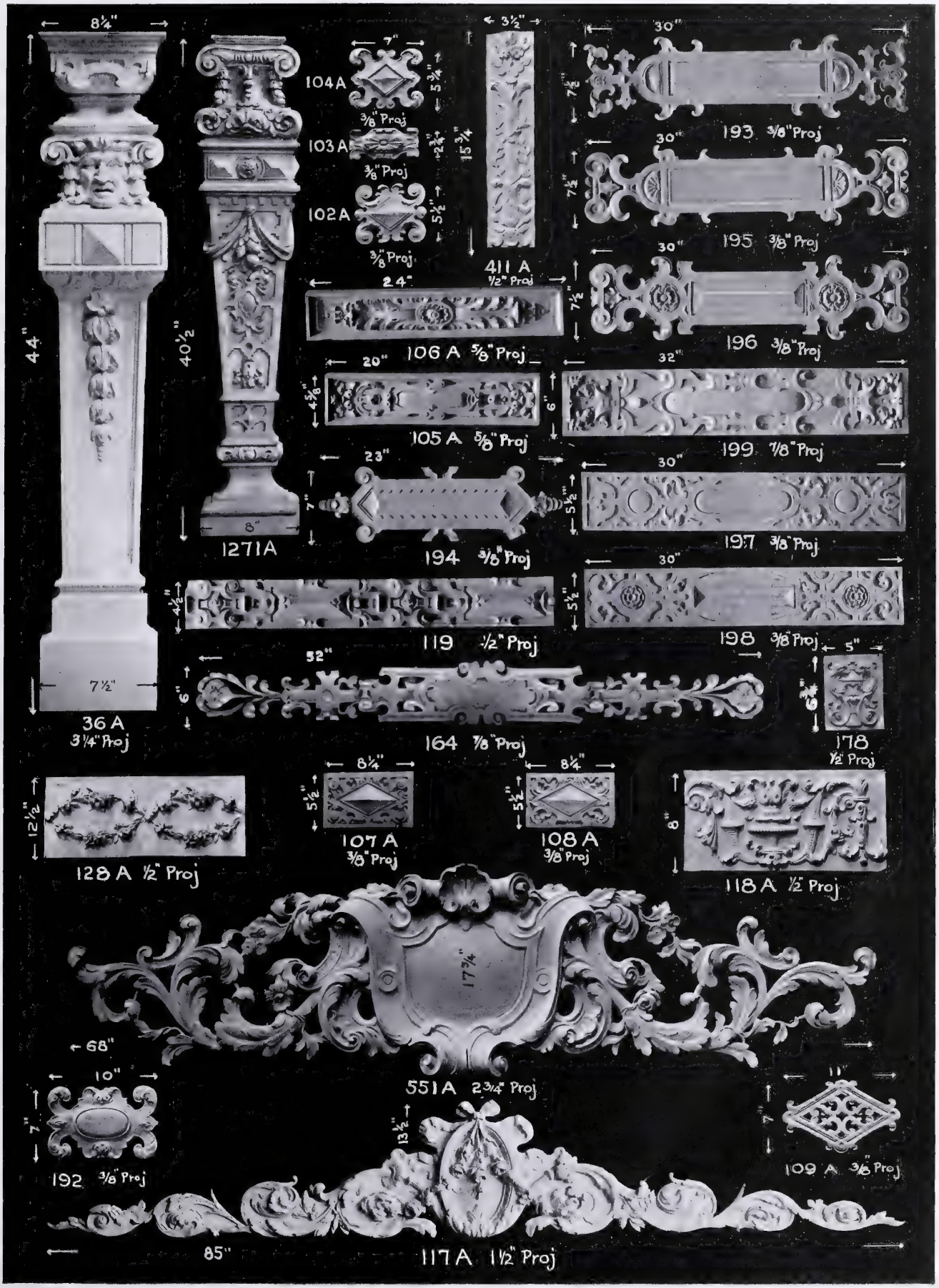

20½"
157
6¾"
117
3¼"
148
5"
118
6½"
136
22½"
8"
142
38½"
696
8"
135
7¾"
127
12½"
156
16"
61"
124
34½"
12½"
146
9½"
391

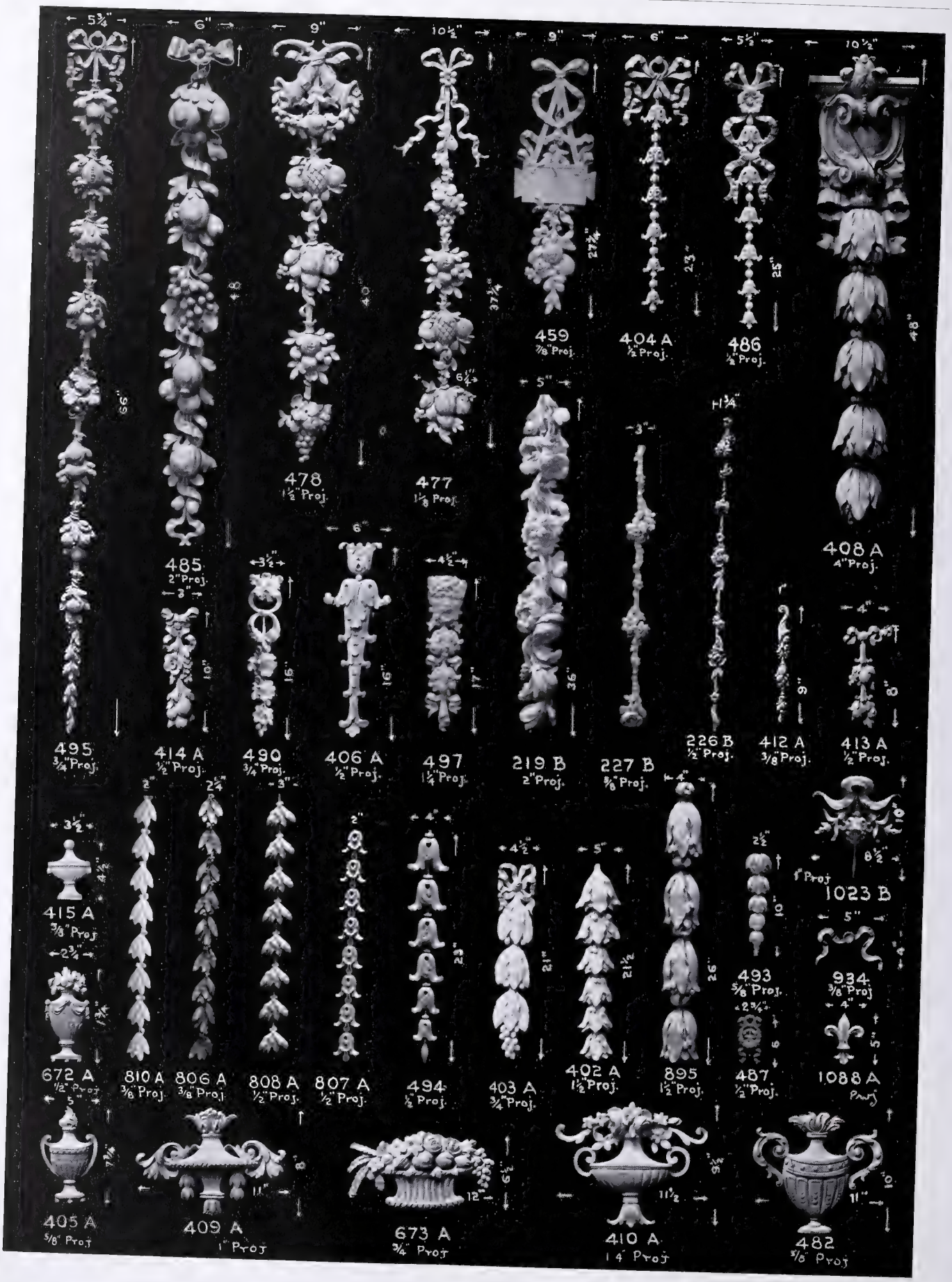
144
143
122
128
151
126
131
145
134
137
108
119B
112

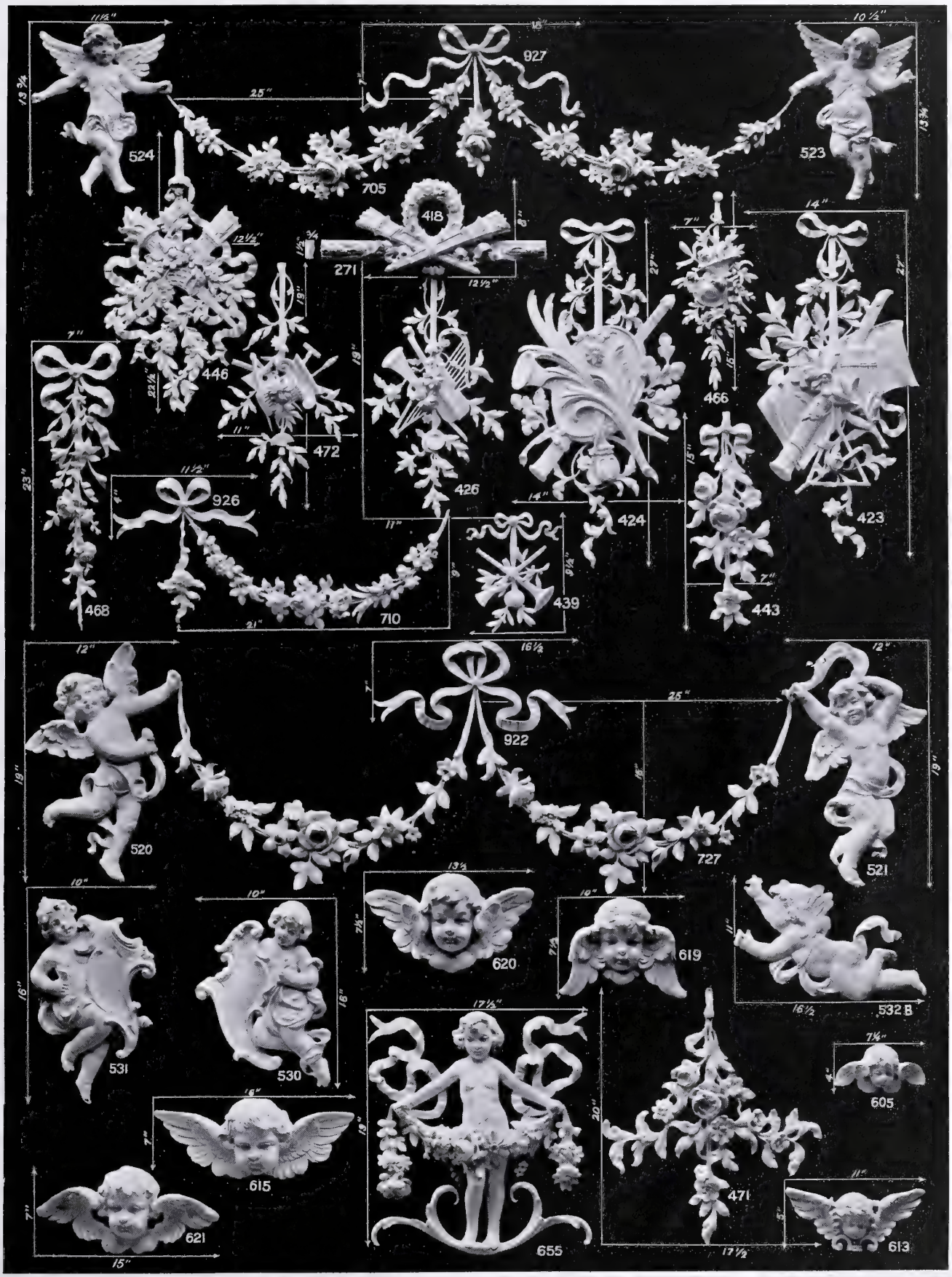

111
14½"
23"
468
7"
133
10"
113
18"
115
11"
130
6"
107
8"
110
9"
102
119A
140
11"

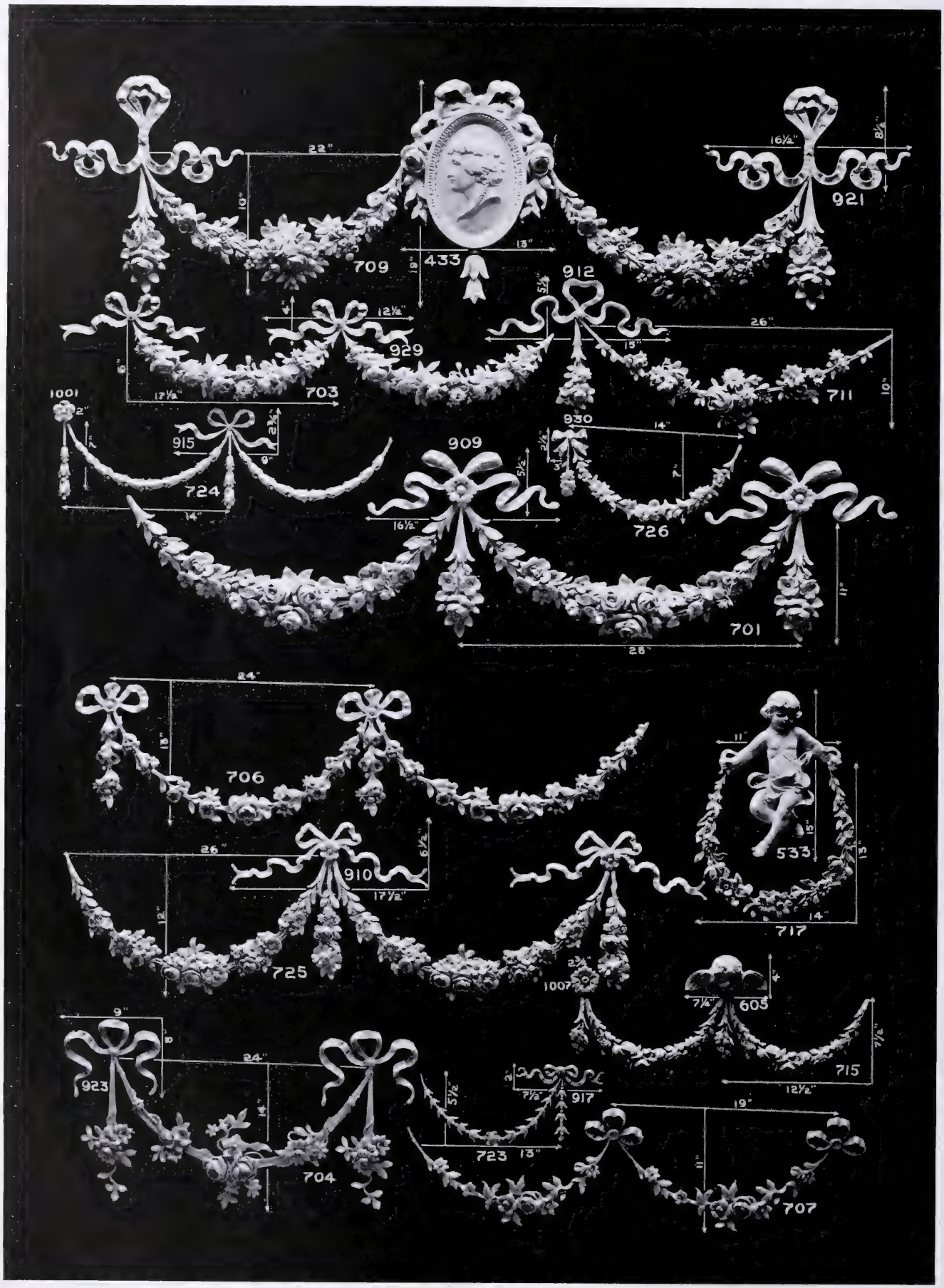

149
246 A
152
106
153
139
55"
449
19½"
450
18"
659
5 5/8"
658
393 A
30"

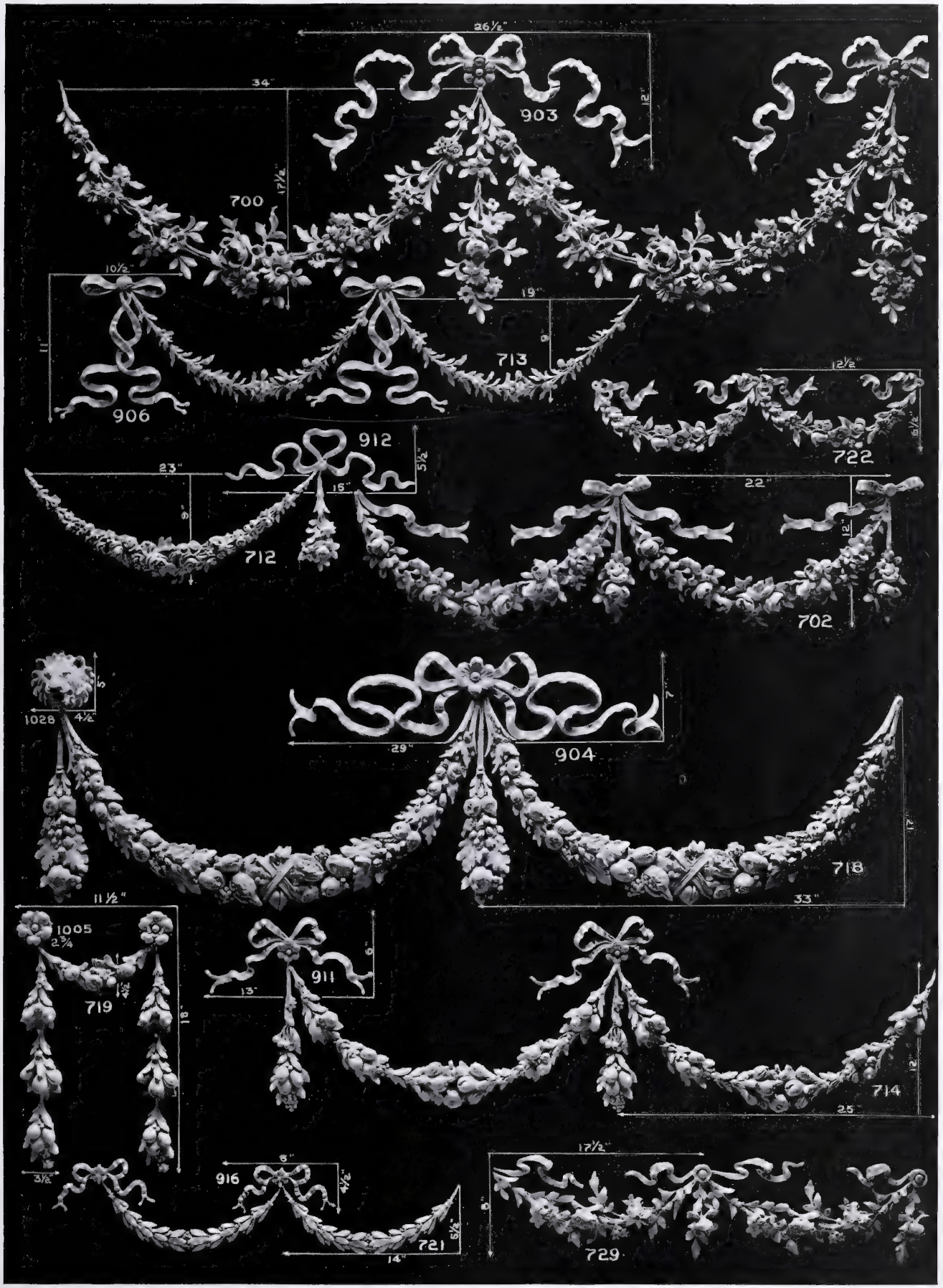

23"
121 A 2"Proj.
37"
20½"
113 B 2"Proj.
31"
19½"
175 2½"Proj
40½"
20½"
113 A 2½"Proj.
32"
9"
167 A 1"Proj.
32"
8"
168 1"Proj.
10"
8½"
167 1"Proj.
30"
18"
498 1¾"Proj.
72"
9"
165 1"Proj.

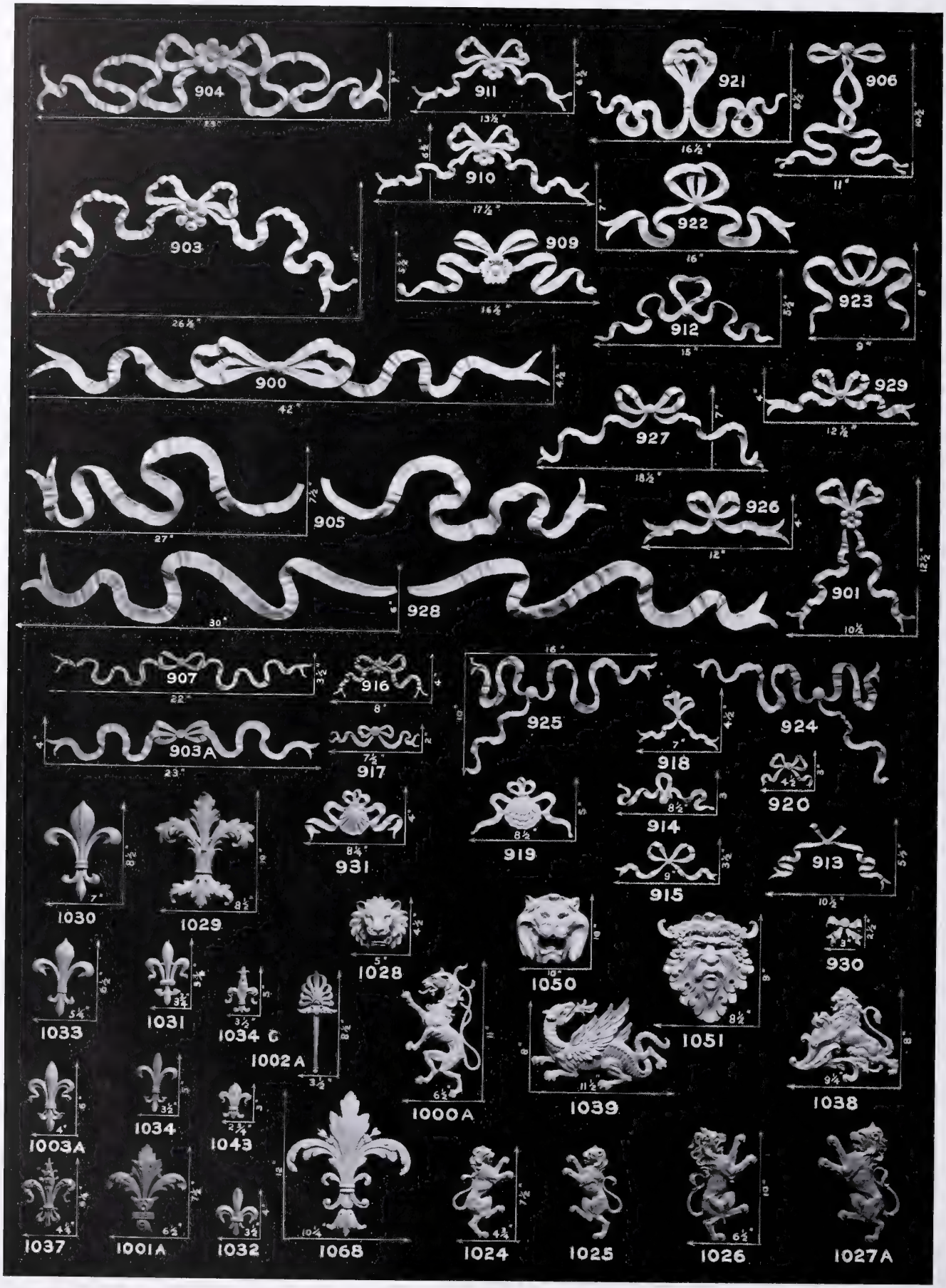

8¼"
44"
7½"
36 A
3¼" Proj
40½"
8"
1271A
104A
7"
5¾"
3/8" Proj
103A
2¾"
3/8" Proj
102A
5½"
3/8" Proj
3½"
15¾"
411 A
½" Proj
24"
106 A 5/8" Proj
20"
4⅝"
105 A 5/8" Proj
23"
7"
194 3/8" Proj
4½"
119 ½" Proj
32"
6"
164 7/8" Proj
30"
7½"
193 3/8" Proj
195 3/8" Proj
196 3/8" Proj
32"
6"
199 7/8" Proj
30"
5½"
197 3/8" Proj
30"
5½"
198 3/8" Proj
5"
6"
178
½" Proj
12½"
128 A ½" Proj
8¼"
5½"
107 A
3/8" Proj
8¼"
5½"
108 A
3/8" Proj
8"
118 A ½" Proj
17¾"
68"
551A 2¾" Proj
10"
7"
192 3/8" Proj
13½"
11"
109 A 3/8" Proj
85"
117 A 1½" Proj

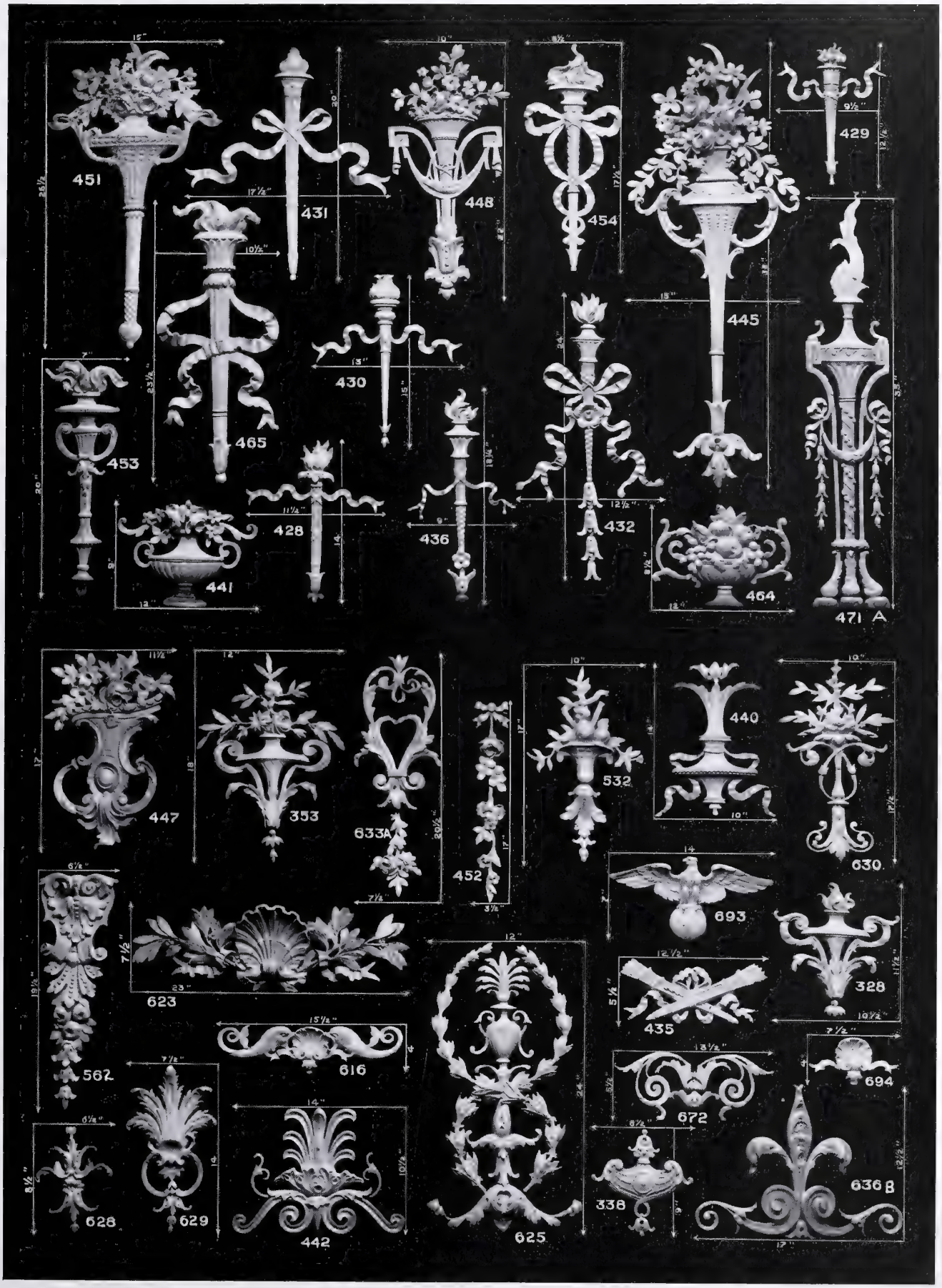

459 7/8" Proj.
404 A 1/2 Proj.
486 1/4" Proj.
408 A 4" Proj.
478 1 1/2" Proj.
477 1 1/8 Proj.
485 2" Proj.
495 3/4" Proj.
414 A 1/2" Proj.
490 3/4" Proj.
406 A 1/2" Proj.
497 1 1/4" Proj.
219 B 2" Proj.
227 B 5/8 Proj.
226 B 1/2 Proj.
412 A 3/8" Proj.
413 A 1/2" Proj.
1023 B
415 A 3/8" Proj.
672 A 1/2" Proj.
810 A 3/8" Proj.
806 A 3/8" Proj.
808 A 1/2" Proj.
807 A 1/2" Proj.
494 1/2 Proj.
403 A 3/4" Proj.
402 A 1 1/2" Proj.
895 1 1/2" Proj.
493 5/8" Proj.
487 1/2" Proj.
934 3/8" Proj
1088 A Proj
405 A 5/8" Proj
409 A 1" Proj
673 A 3/4" Proj
410 A 1 4" Proj
482 5/8" Proj

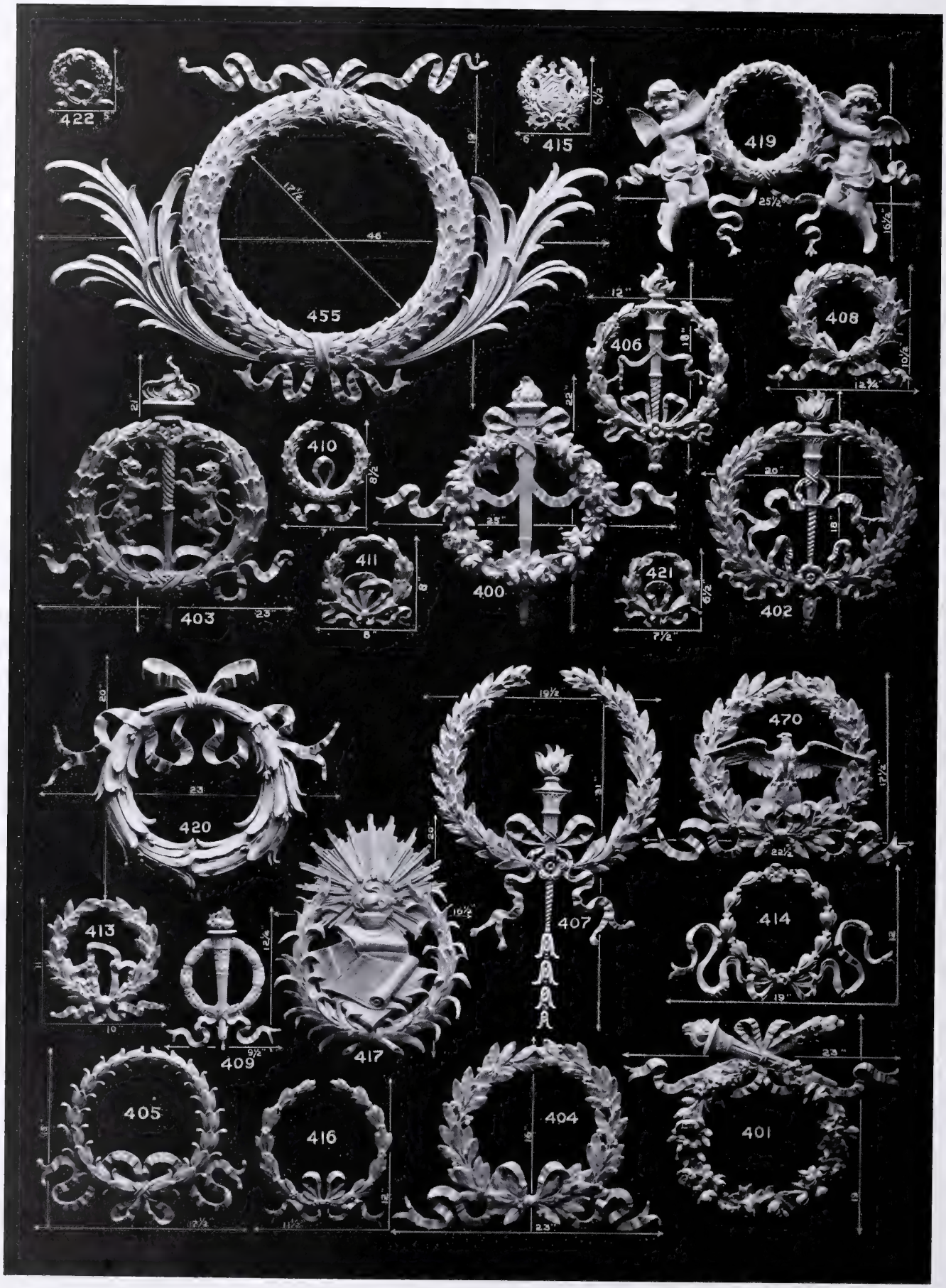

927
524
523
705
418
271
446
466
472
426
424
423
926
468
710
439
443
922
520
727
521
620
619
531
530
532 B
615
605
621
655
471
613

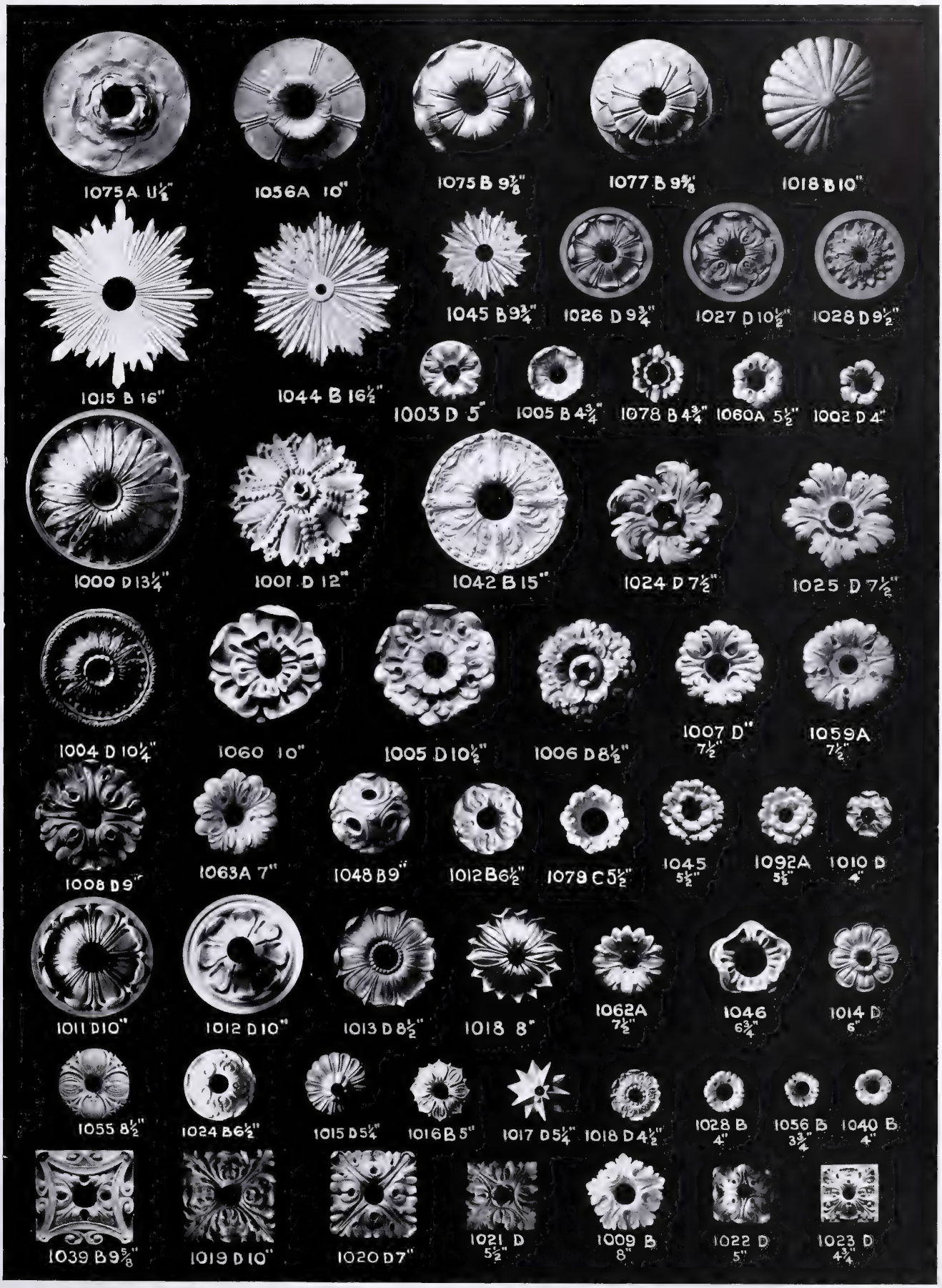

22"
10"
709
433
13"
19"
16½"
8½"
921
912
5½"
12½"
929
26"
15"
711
10"
1001
2"
17½"
703
915
2¾"
9"
724
14"
930
14"
2½"
909
5½"
16½"
726
701
28"
11"
24"
18"
706
11"
533
15"
13"
14"
717
26"
910
6½"
17½"
2"
725
2¾"
1007
7½"
605
4"
9"
923
24"
715
12½"
917
7½"
5½"
723
13"
19"
704
707

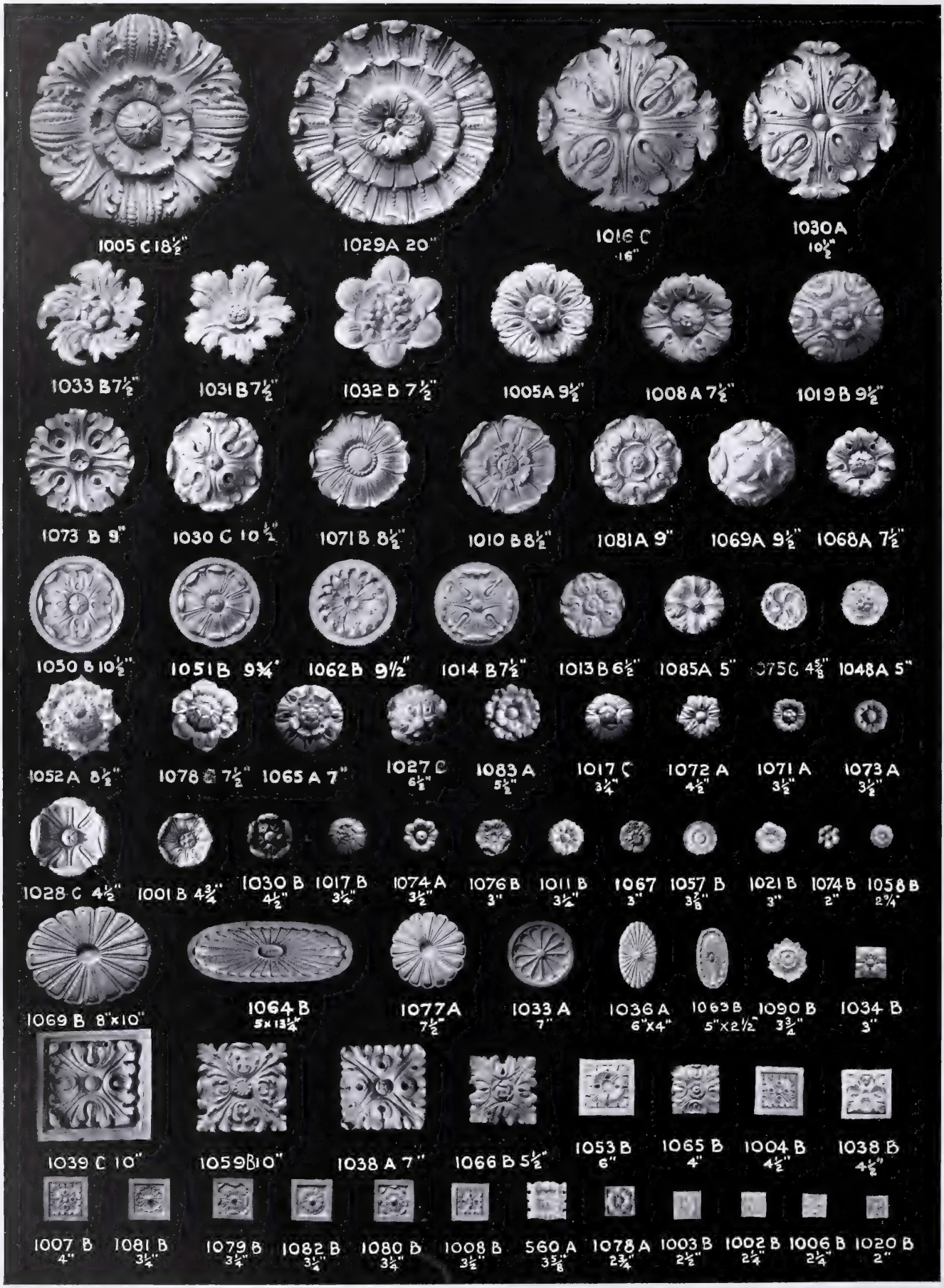

26½"
34"
903
12"
700
17½"
10½"
19"
713
906
12½"
912
722
23"
5½"
16"
712
22"
702
1028
4½"
904
29"
718
33"
11½"
1005
2¾
719
911
13"
714
25"
916
8"
4½"
721
14"
17½"
729

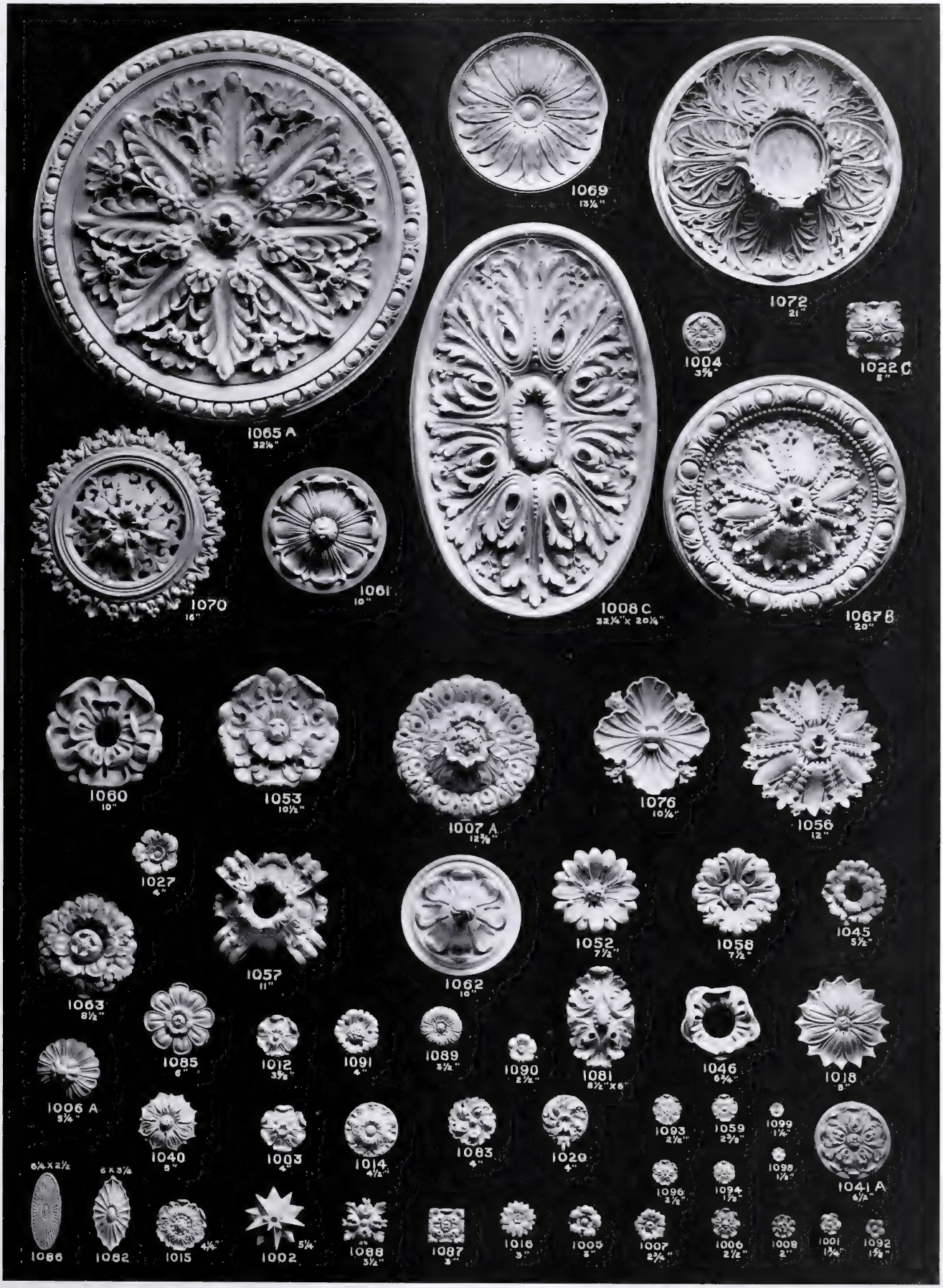

904
911
921
906
910
903
922
909
923
912
900
929
927
905
926
928
901
907
916
925
924
903A
917
918
920
914
931
919
913
915
1030
1029
1028
1050
930
1033
1031
1034 C
1002 A
1051
1000A
1039
1038
1003A
1034
1043
1037
1001A
1032
1068
1024
1025
1026
1027A

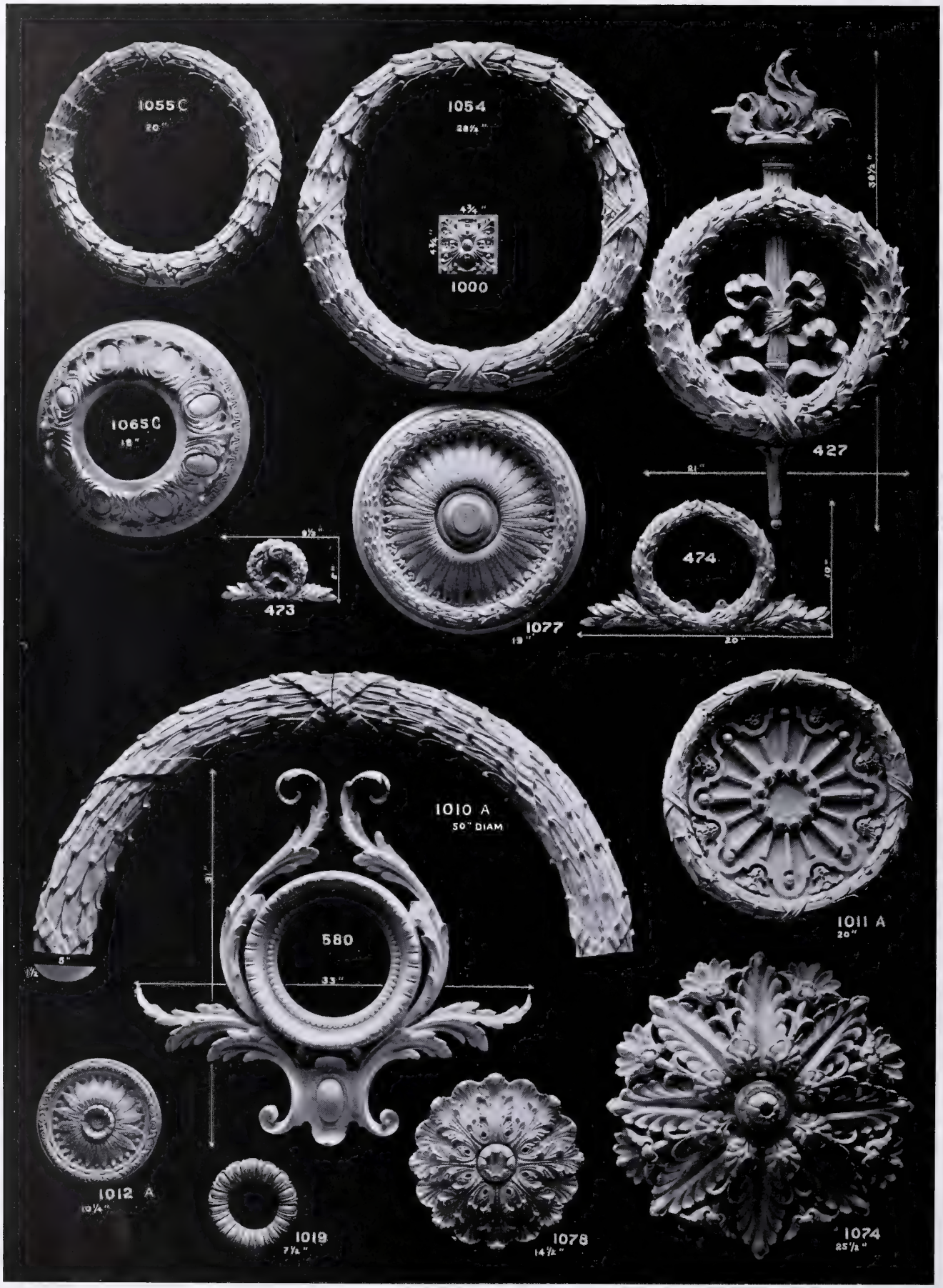

451
431
448
454
429
465
453
430
445
428
436
432
441
464
471 A
447
353
633A
452
532
440
630
693
623
328
435
562
616
694
672
628
629
442
625
338
636 B

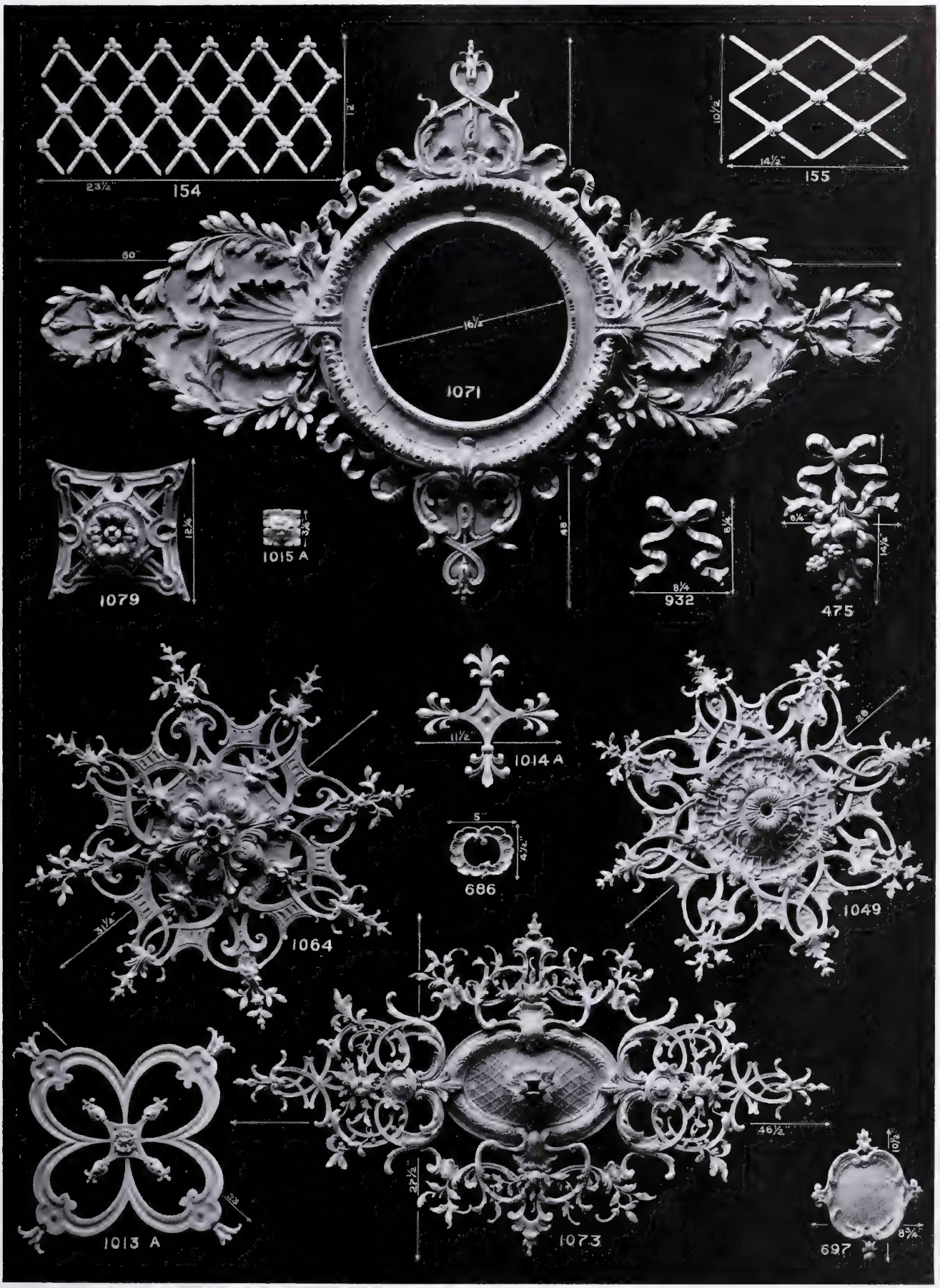

422
415
419
455
406
408
410
411
400
421
403
402
420
470
413
407
414
409
417
405
416
404
401

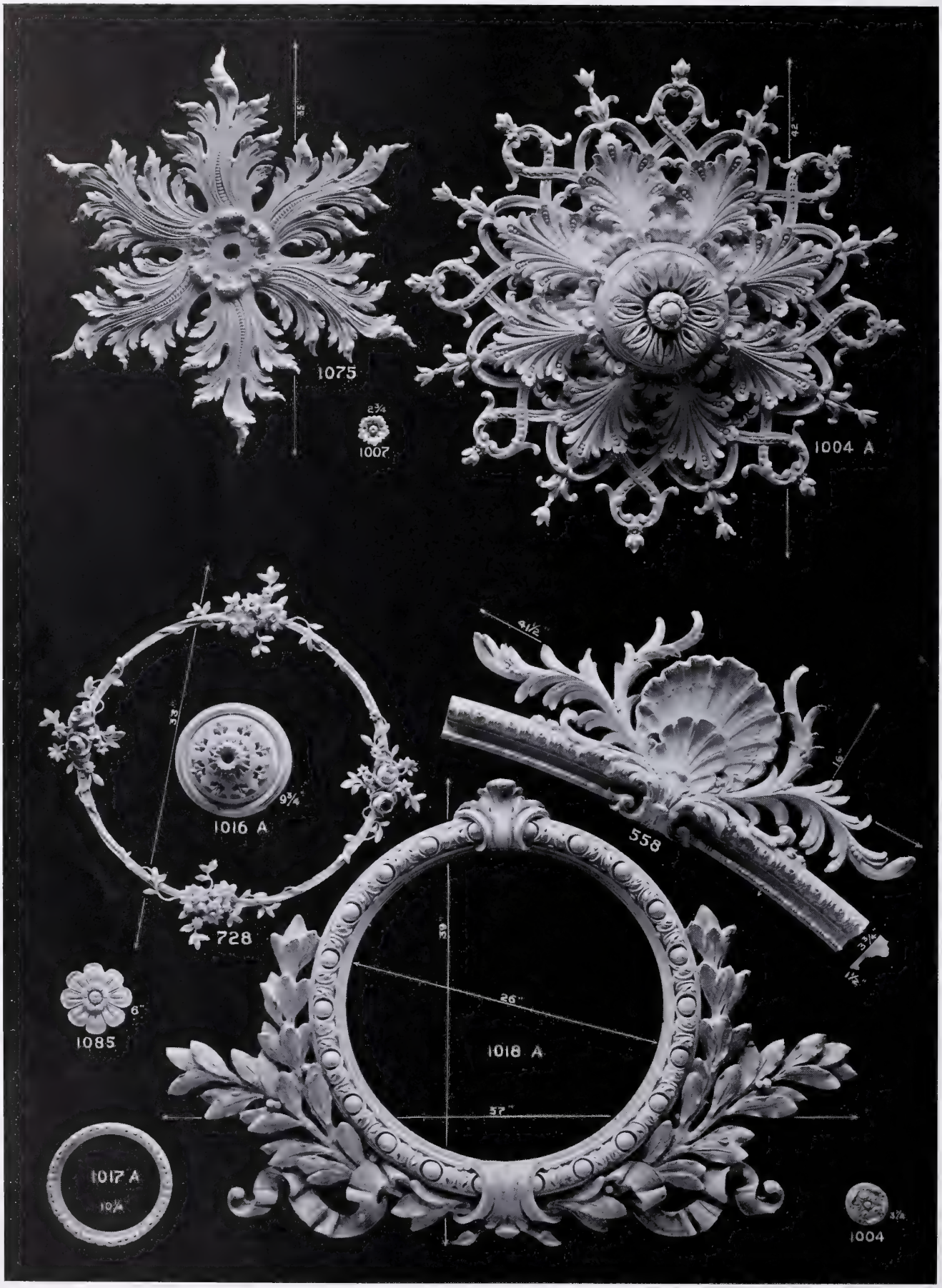

1075 A 11½"
1056 A 10"
1075 B 9⅞"
1077 B 9⅝"
1018 B 10"
1045 B 9¼"
1026 D 9¾"
1027 D 10½"
1028 D 9½"
1015 B 16"
1044 B 16½"
1003 D 5"
1005 B 4¾"
1078 B 4¾"
1060 A 5½"
1002 D 4"
1000 D 13¼"
1001 D 12"
1042 B 15"
1024 D 7½"
1025 D 7½"
1004 D 10¼"
1060 10"
1005 D 10½"
1006 D 8½"
1007 D 7½"
1059 A 7½"
1008 D 9"
1063 A 7"
1048 B 9"
1012 B 6½"
1079 C 5½"
1045 5½"
1092 A 5½"
1010 D 4"
1011 D 10"
1012 D 10"
1013 D 8½"
1018 8"
1062 A 7½"
1046 6¾"
1014 D 6"
1055 8½"
1024 B 6½"
1015 D 5¼"
1016 B 5"
1017 D 5¼"
1018 D 4½"
1028 B 4"
1056 B 3¾"
1040 B 4"
1039 B 9⅝"
1019 D 10"
1020 D 7"
1021 D 5½"
1009 B 8"
1022 D 5"
1023 D 4¾"

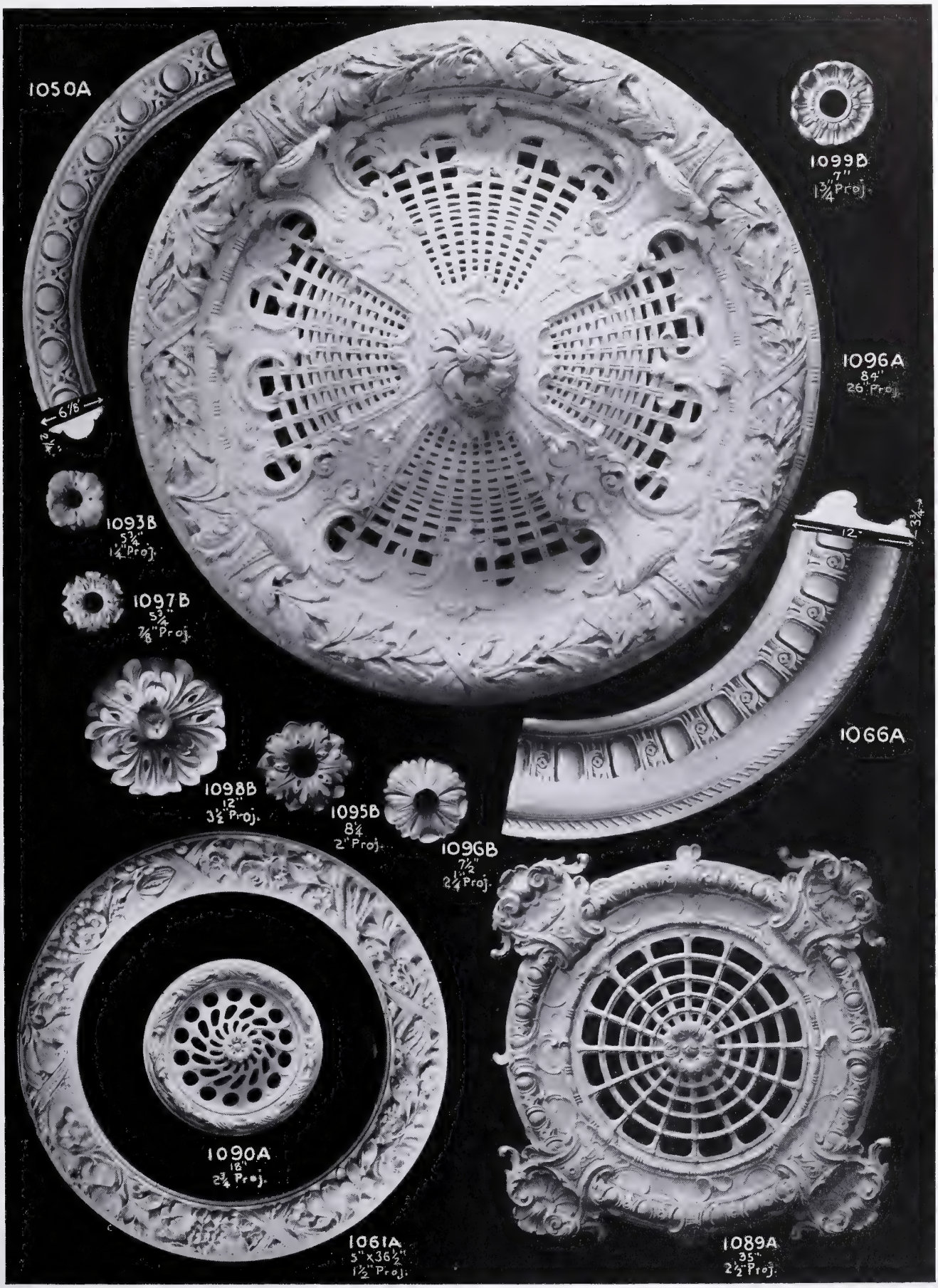

1005 C 18½"
1029A 20"
1016 C 16"
1030A 10½"
1033 B 7½"
1031 B 7½"
1032 B 7½"
1005A 9½"
1008 A 7½"
1019 B 9½"
1073 B 9"
1030 C 10½"
1071 B 8½"
1010 B 8½"
1081A 9"
1069A 9½"
1068A 7½"
1050 B 10½"
1051 B 9¾"
1062 B 9½"
1014 B 7½"
1013 B 6½"
1085A 5"
1075 C 4⅝"
1048A 5"
1052 A 8½"
1078 C 7½"
1065 A 7"
1027 C 6½"
1083 A 5½"
1017 C 3¼"
1072 A 4½"
1071 A 3½"
1073 A 3½"
1028 C 4½"
1001 B 4¾"
1030 B 4½"
1017 B 3¼"
1074 A 3½"
1076 B 3"
1011 B 3½"
1067 3"
1057 B 3⅛"
1021 B 3"
1074 B 2"
1058 B 2¾"
1069 B 8"x10"
1064 B 5x13¾"
1077A 7½"
1033 A 7"
1036 A 6"x4"
1063 B 5"x2½"
1090 B 3¾"
1034 B 3"
1039 C 10"
1059B 10"
1038 A 7"
1066 B 5½"
1053 B 6"
1065 B 4"
1004 B 4½"
1038 B 4½"
1007 B 4"
1081 B 3¼"
1079 B 3¼"
1082 B 3¼"
1080 B 3¼"
1008 B 3½"
560 A 3⅝"
1078 A 2¾"
1003 B 2½"
1002 B 2¼"
1006 B 2¼"
1020 B 2"

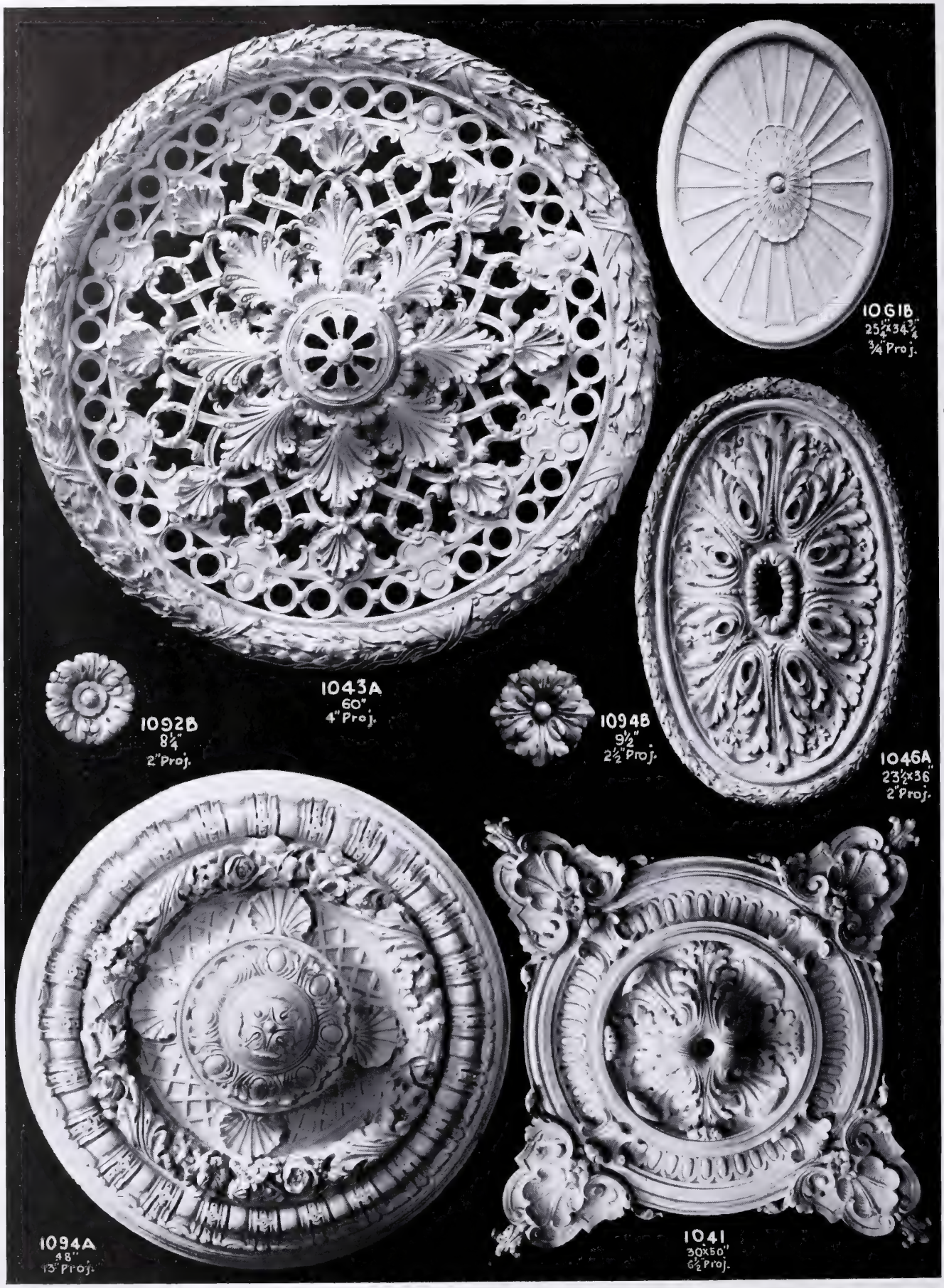

1065 A
32¼"
1069
13¼"
1072
21"
1004
3⅝"
1022 C
5"
1070
16"
1061
10"
1008 C
32¼" x 20¼"
1067 B
20"
1060
10"
1053
10½"
1007 A
12⅝"
1076
10¼"
1056
12"
1027
4"
1057
11"
1062
10"
1052
7½"
1058
7½"
1045
5½"
1063
8½"
1085
6"
1012
3⅜"
1091
4"
1089
3½"
1090
2½"
1081
8½" x 6"
1046
6¾"
1018
8"
1006 A
5¼"
1040
8"
1003
4"
1014
4½"
1083
4"
1020
4"
1093
2⅛"
1059
2⅜"
1099
1¼"
1098
1¼"
1096
2⅛"
1094
1⅞"
1041 A
6½"
6¼ x 2½
1086
6 x 3¼
1082
1015
4¼"
1002
5¼"
1088
3½"
1087
3"
1016
3"
1005
3"
1007
2¾"
1006
2½"
1008
2"
1001
1¾"
1092
1⅝"

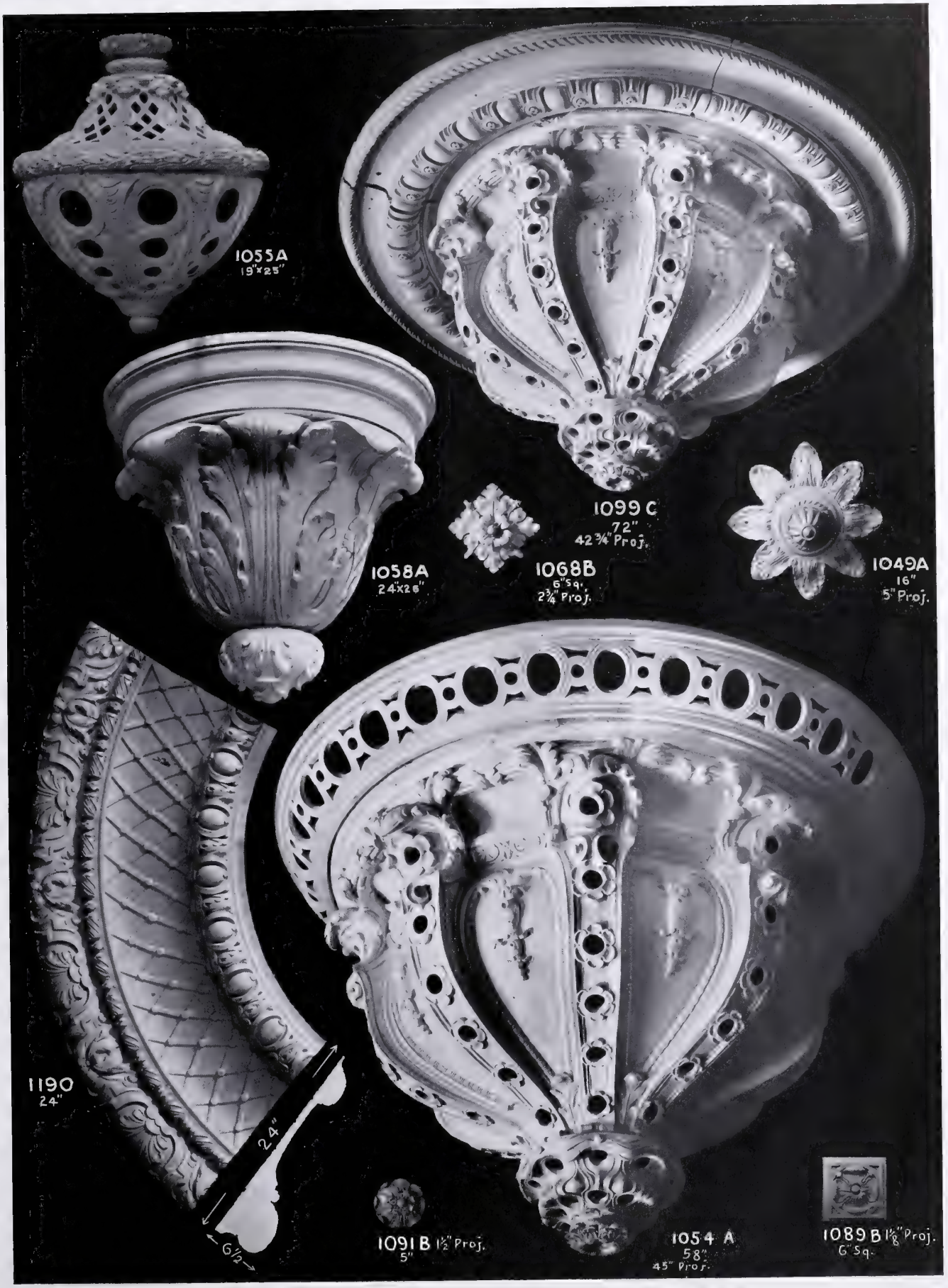

1055C
20"
1054
28½"
4¾"
4¾"
1000
1065C
18"
427
38½"
21"
473
9½"
1077
19"
474
19"
20"
1010 A
50" DIAM
580
33"
1011 A
20"
1012 A
10¼"
1019
7½"
1078
14½"
1074
25⅛"

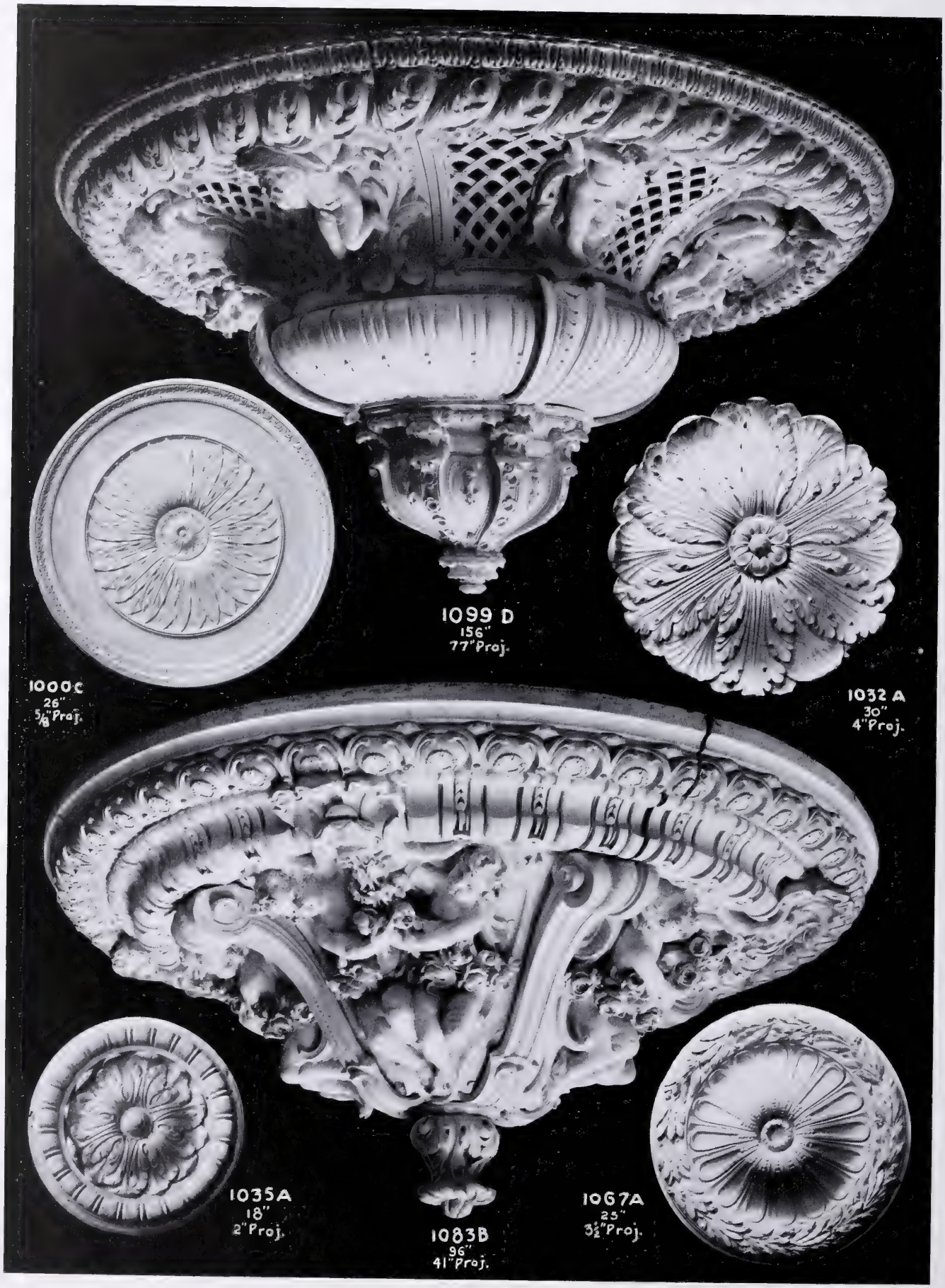

154
155
1071
1079
1015 A
932
475
1014 A
686
1049
1064
1013 A
1073
697

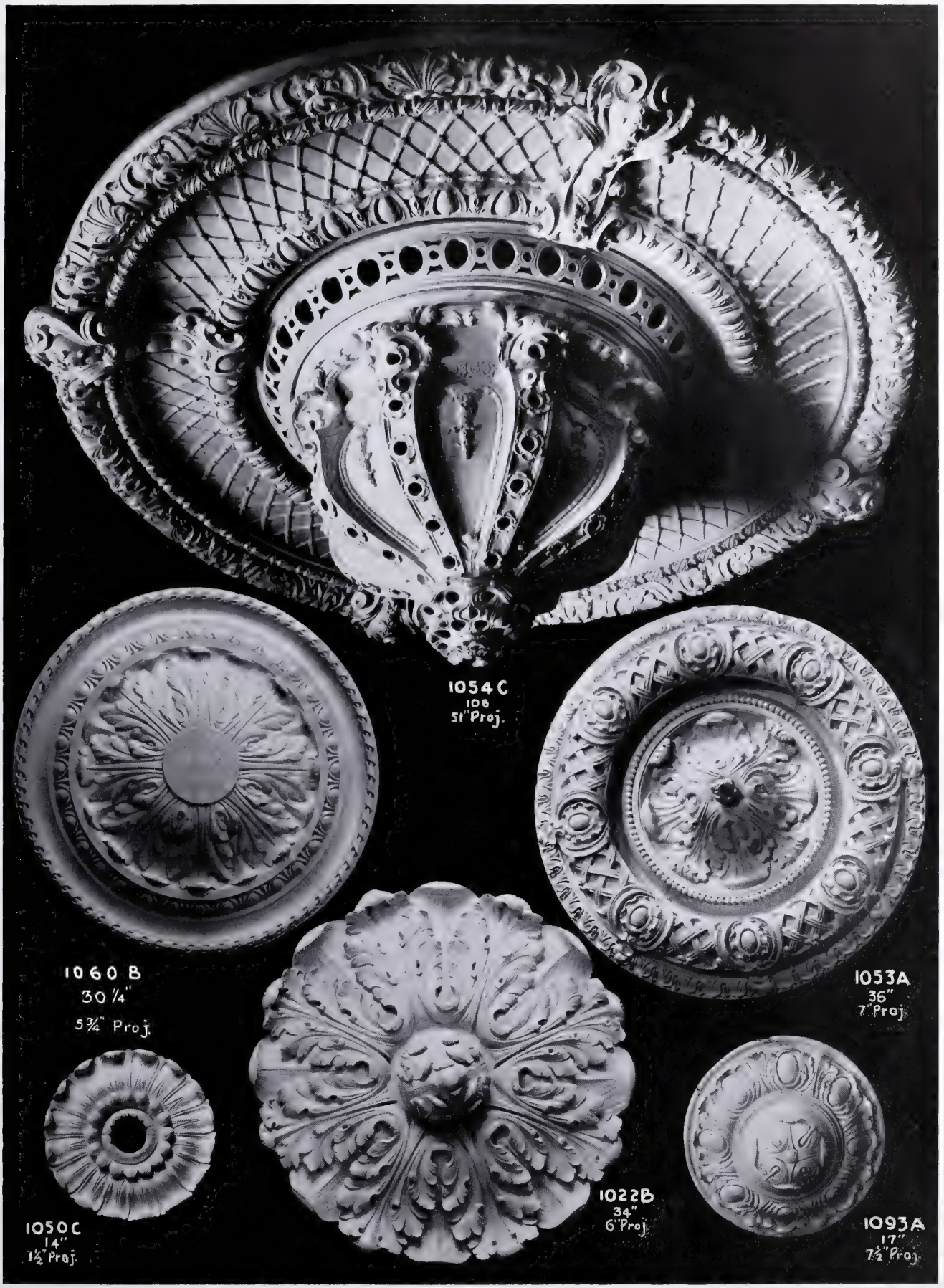

1075
2¾
1007
42"
1004 A
41½"
16"
558
3¾"
1½"
33"
9¾"
1016 A
728
6"
1085
39"
26"
1018 A
37"
1017 A
10¾
3⅞
1004

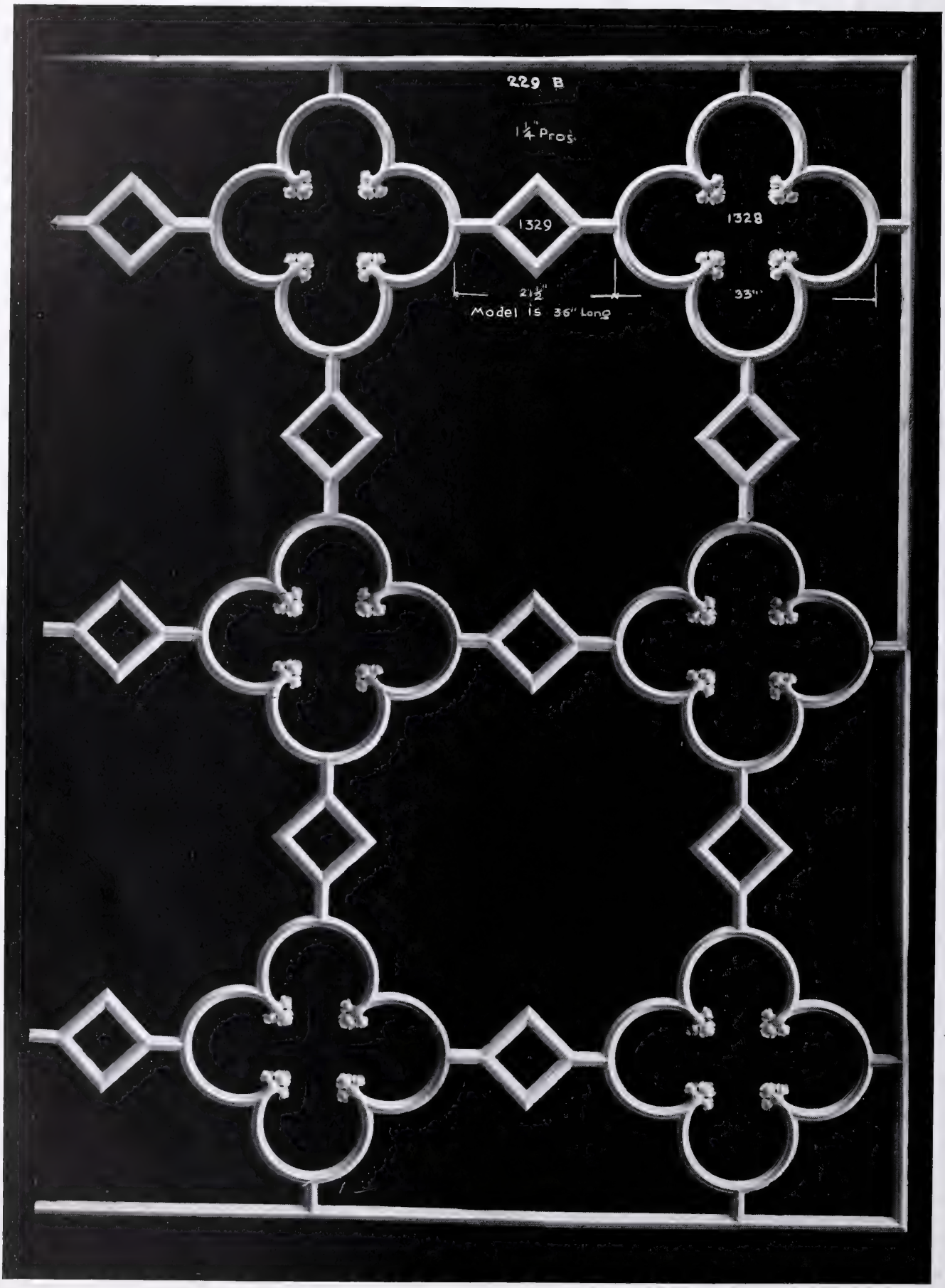

1050A
6⅛"
2¼"
1099B
7"
1¾" Proj.
1096A
84"
26" Proj.
1093B
5¾"
¼" Proj.
1097B
5¾"
⅞" Proj.
12"
3¾"
1066A
1098B
12"
3½" Proj.
1095B
8¼
2" Proj.
1096B
7½"
1" Proj.
2¼" Proj.
1090A
18"
2¾" Proj.
1061A
5" x 36½"
1½" Proj.
1089A
35"
2½" Proj.

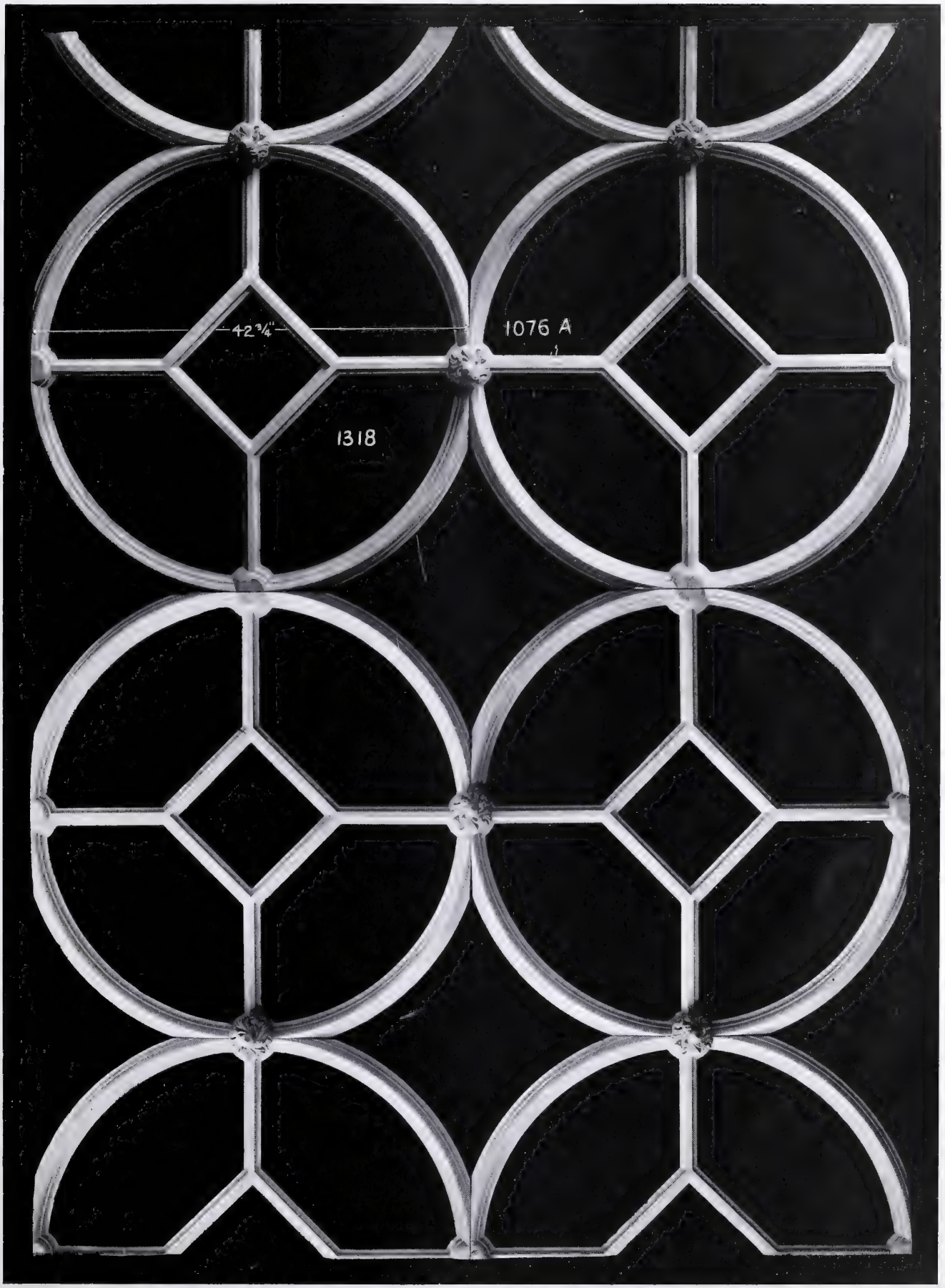

1061B
25¼"x34¾"
¾" Proj.
1043A
60"
4" Proj.
1092B
8¼"
2" Proj.
1094B
9½"
2½" Proj.
1046A
23½"x36"
2" Proj.
1094A
48"
13" Proj.
1041
30"x50"
6⅝ Proj.

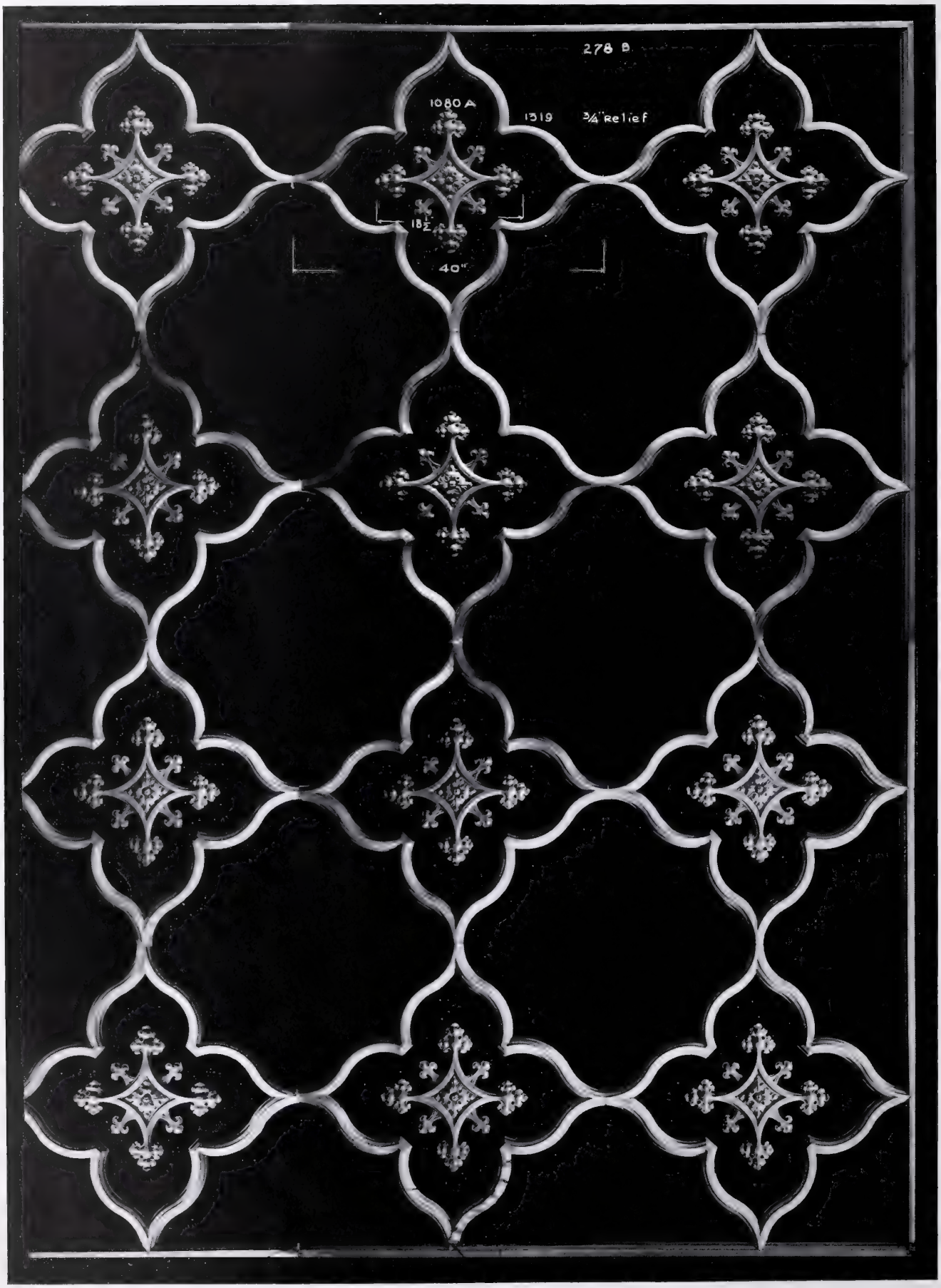

1055A
19"x25"
1099 C
72"
42¾" Proj.
1058A
24"x26"
1068B
6" Sq.
2¾" Proj.
1049A
16"
5" Proj.
1190
24"
24"
6½"
1091B ½" Proj.
5"
1054 A
58"
45" Proj.
1089B ⅛" Proj.
6" Sq.

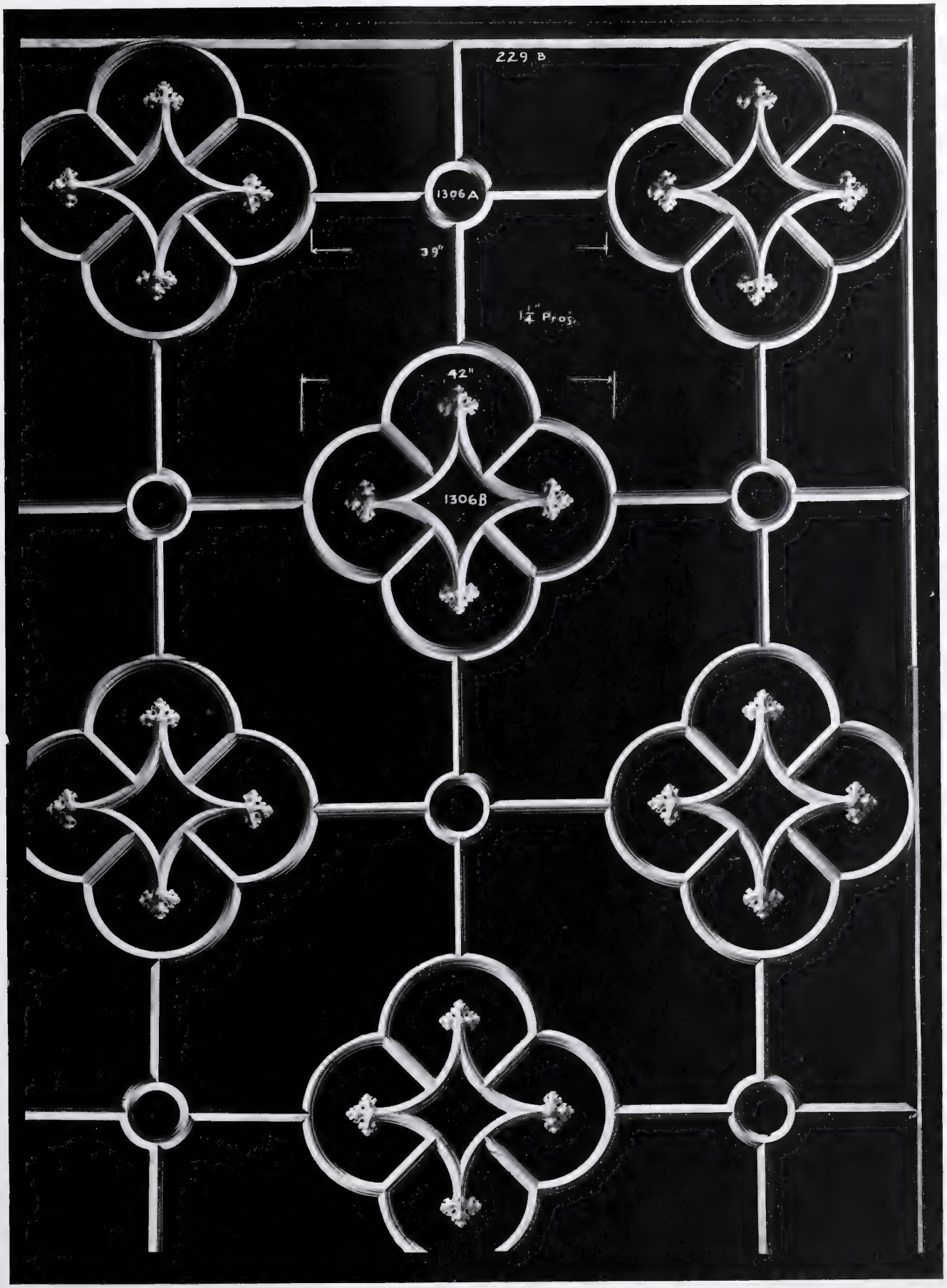

1099 D
156"
77" Proj.
1000 C
26"
5⅛" Proj.
1032 A
30"
4" Proj.
1035 A
18"
2" Proj.
1083 B
96"
41" Proj.
1067 A
25"
3½" Proj.

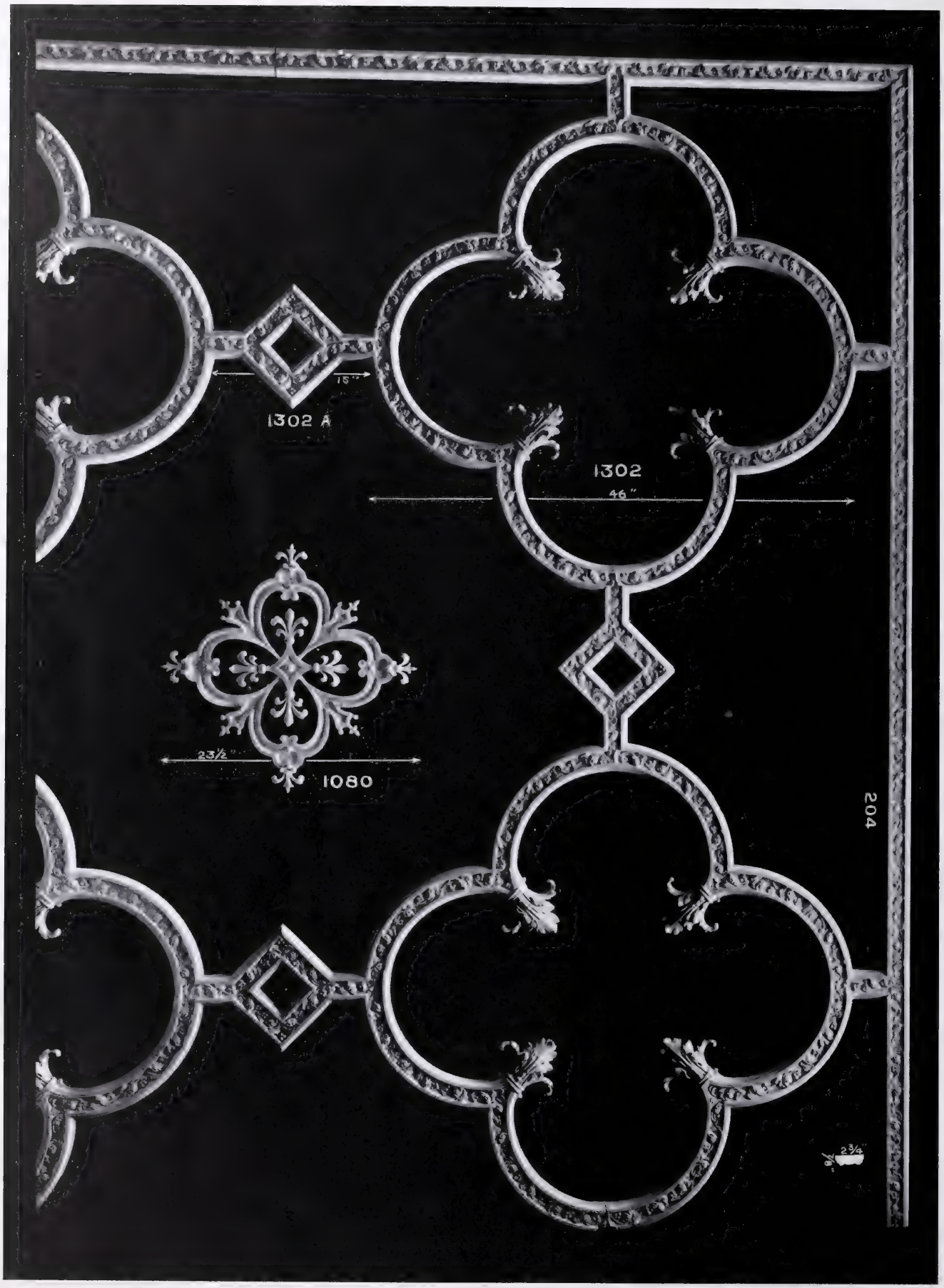

1054C
108
51"Proj.
1060 B
30 1/4"
5 3/4" Proj.
1053A
36"
7"Proj
1022B
34"
6"Proj
1050C
14"
1½"Proj.
1093A
17"
7½"Proj


229 B
1¼" Pros.
1329
1328
2½"
33"
Model is 36" Long

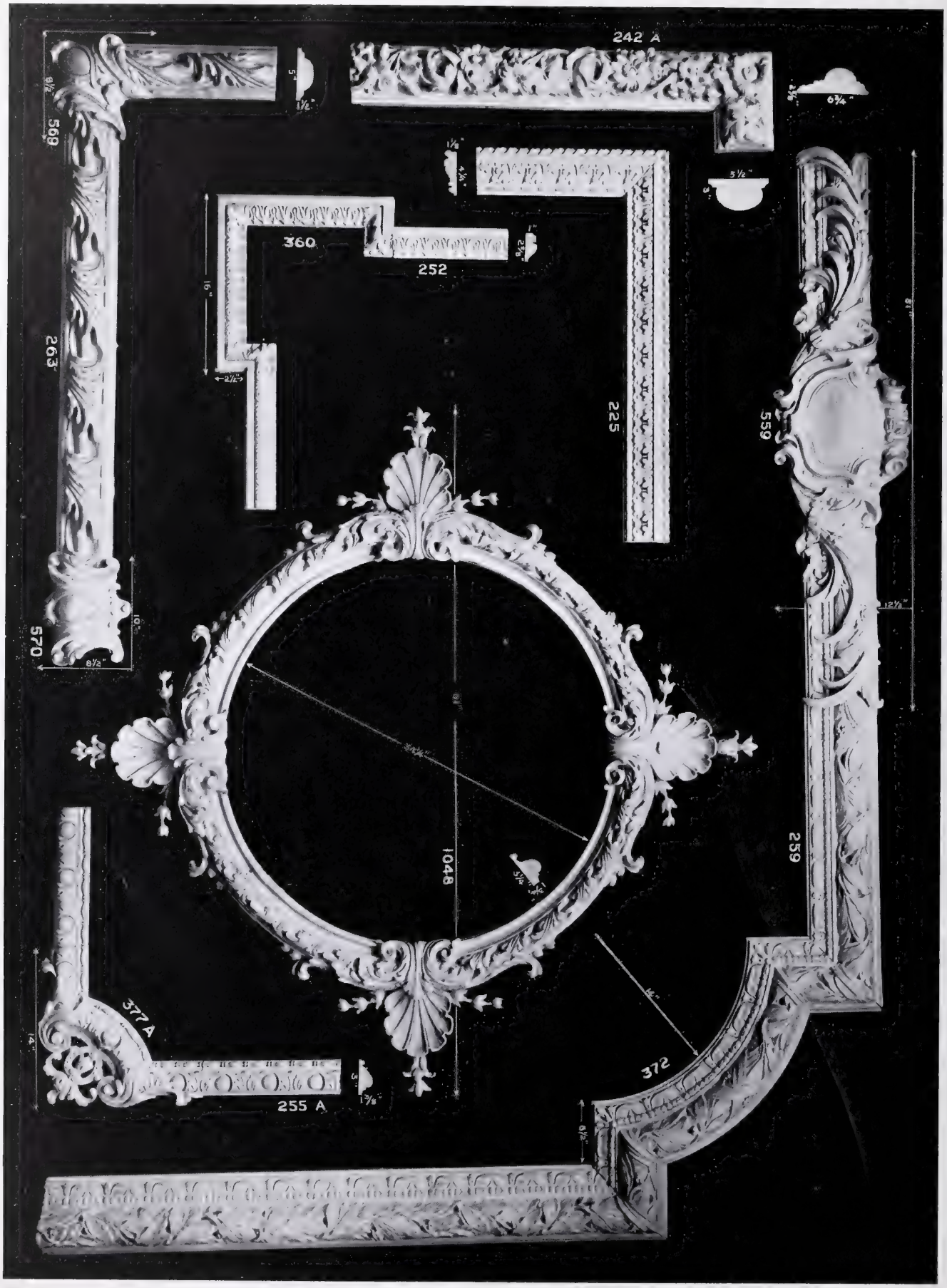

42 3/4"
1076 A
1318

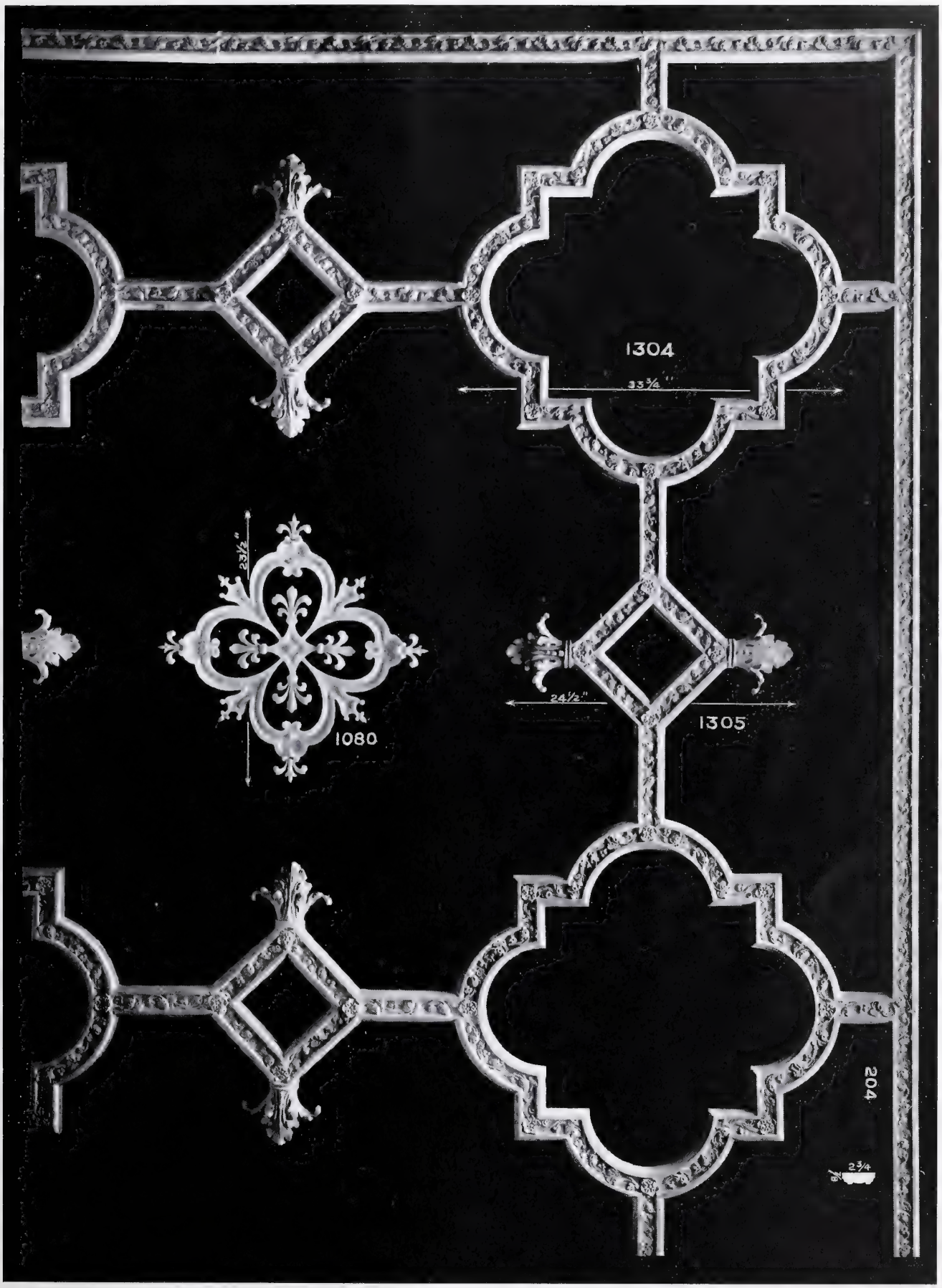

278 B
1080 A
1319
¾" Relief
18½"
40"

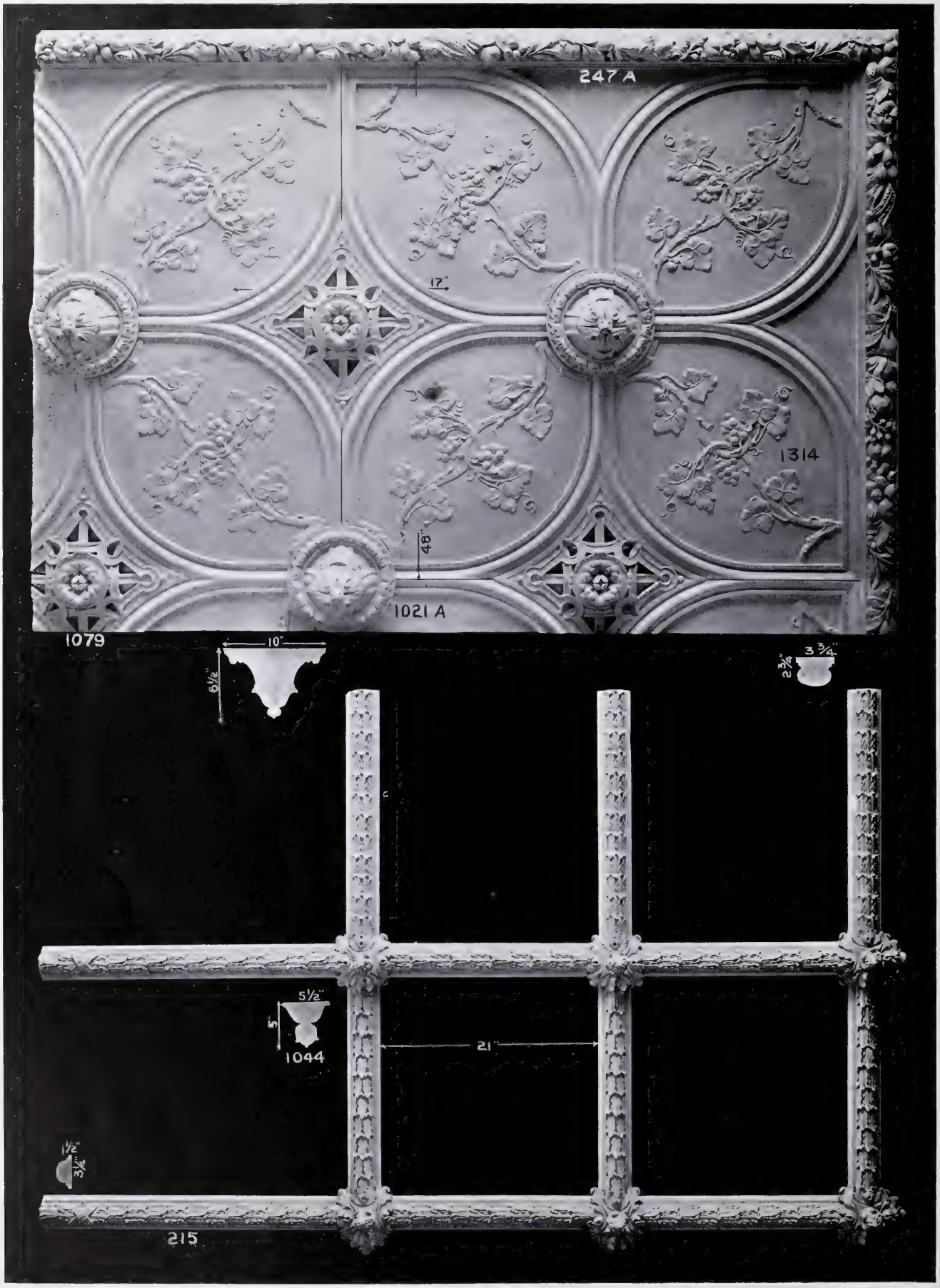

229 B
1306A
39"
1¼" Proj.
42"
1306B

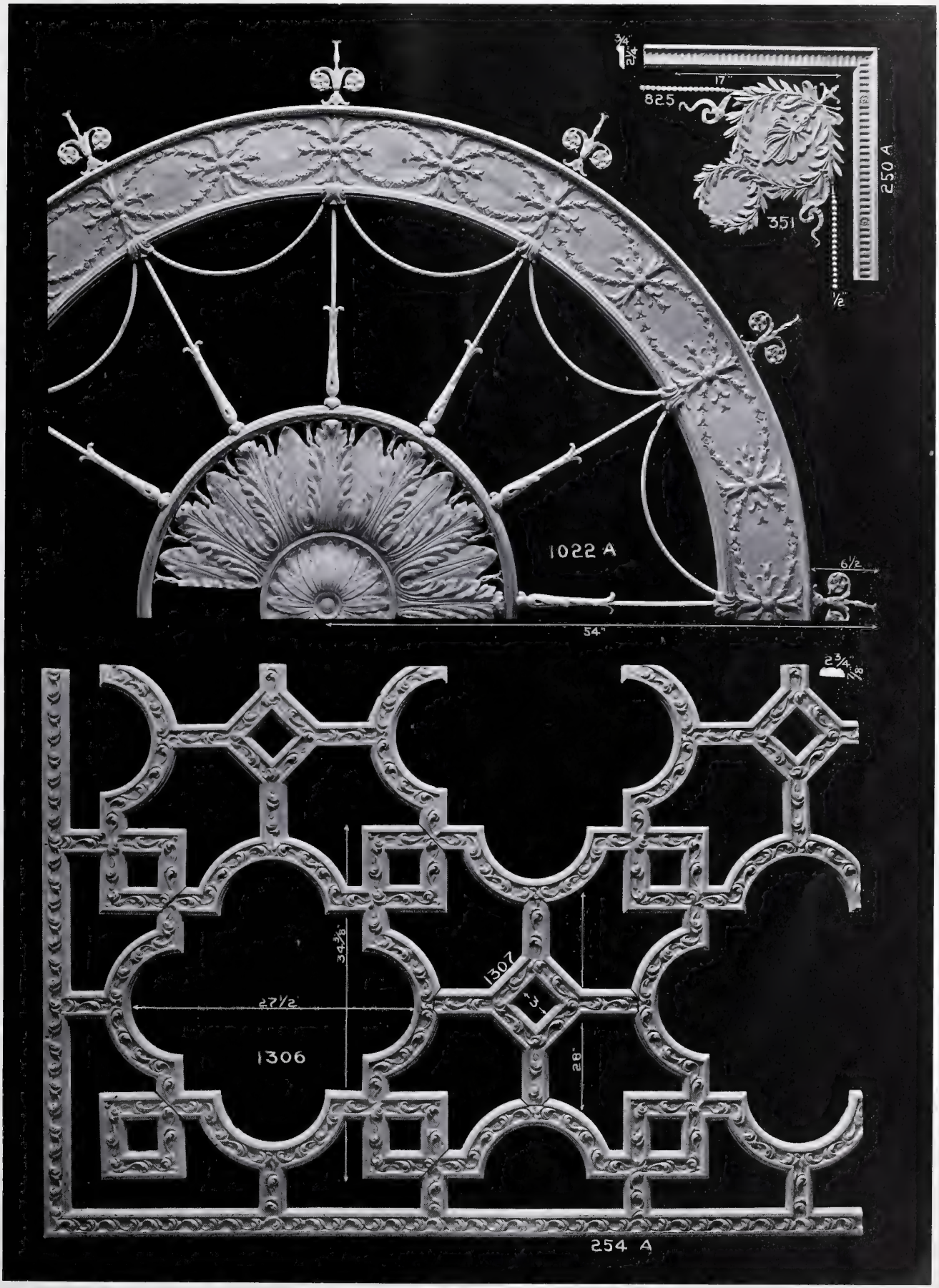

15"
1302 A
1302
46"
23½"
1080
204
2¾

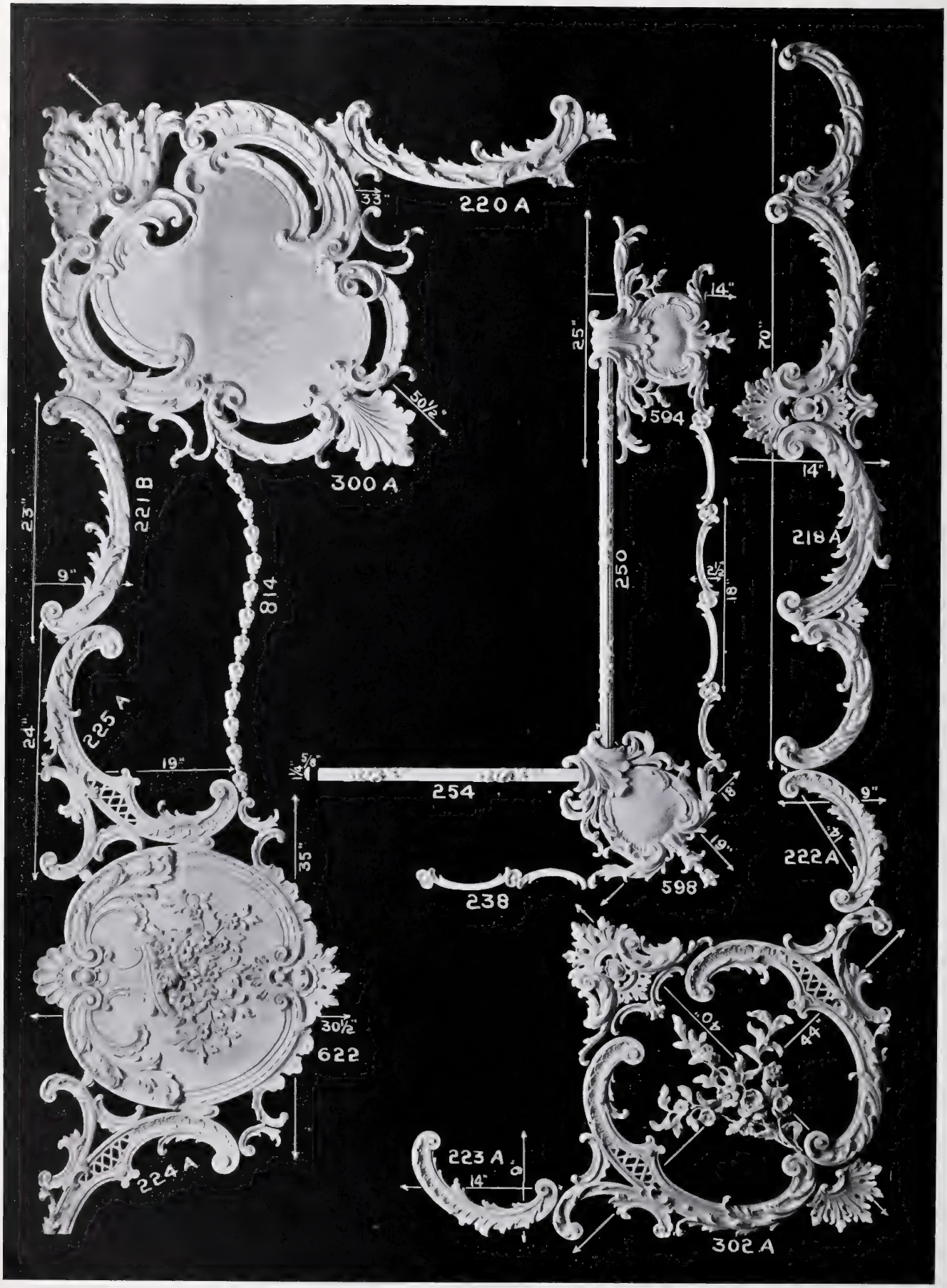
241 A
1313
15"
7¼"
1312
15"
36"
21½"
21½"
526
16"
10½"
1311
36"
3¾"

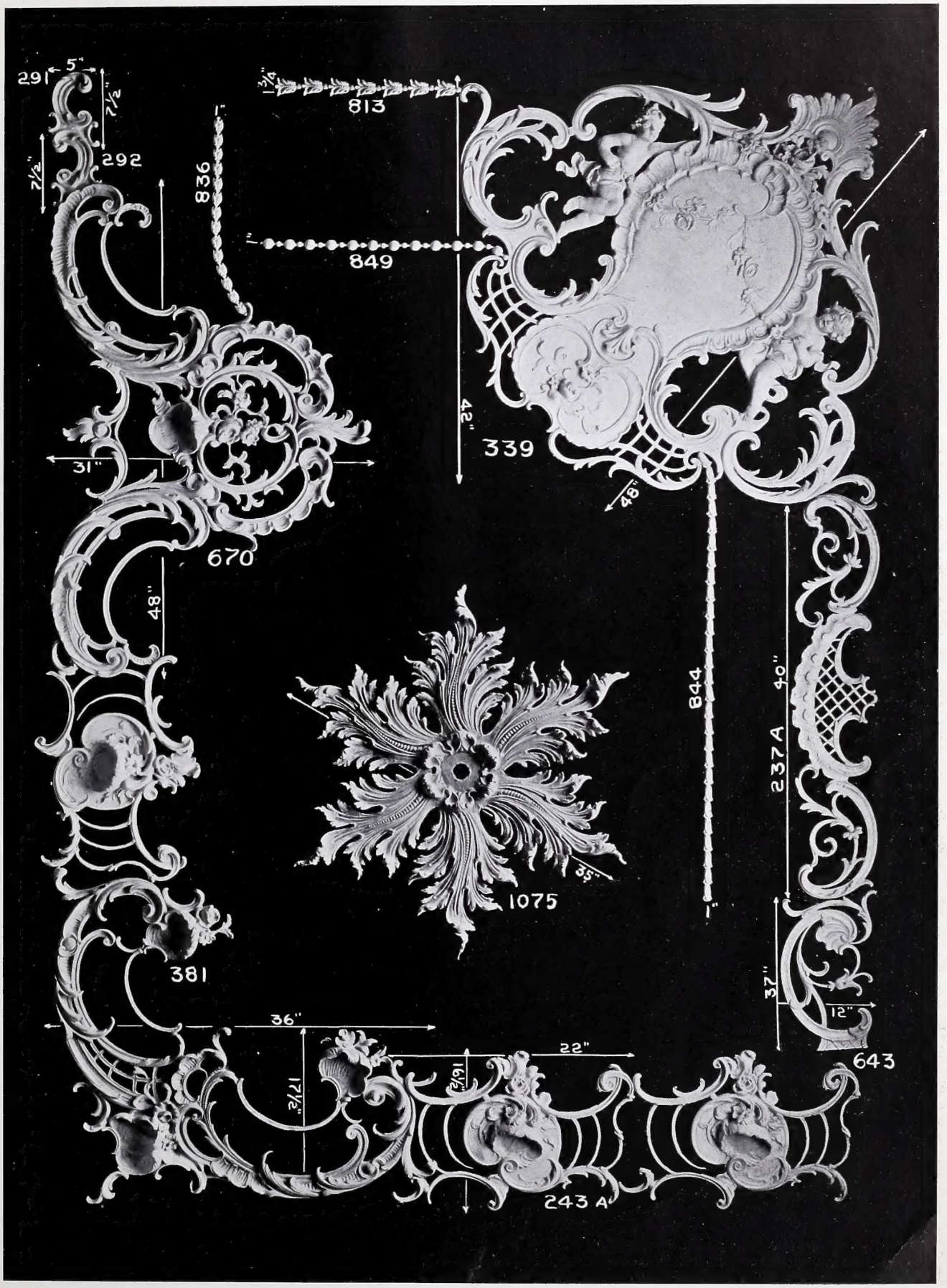

242 A
568
263
360
252
225
559
570
1048
259
377 A
255 A
372


1304
33¾"
23½"
1080
24½"
1305
204
2¾
⅜


247 A
17"
1314
48"
1021 A
1079
10"
6½"
2¾"
3¾"
5½"
5"
1044
21"
1½"
3½"
215


3/4"
2 1/4"
17"
825
250 A
351
1/2"
1022 A
6 1/2
54"
2 3/4"
1/8
34 3/8"
27 1/2"
1306
1307
3"
28"
254 A


220 A
33"
300 A
30½"
221 B
23"
9"
814
225 A
24"
19"
250
25"
594
14"
20"
218 A
2½"
18"
254
1¼"
5/8"
35"
238
598
18"
19"
222 A
9"
622
30½"
224 A
223 A
14"
302 A
40"
44"


291
5"
7½"
2½"
292
3¼"
813
836
849
42"
339
48"
31"
670
48"
844
237A
40"
1075
35"
381
32"
12"
643
36"
17½"
22"
16½"
243A

56"
800
3¾"
9"
671
37"
46"
27½"
386
48"
16"
1020A
262 A
8½"
262 A
8½"
35"
33"
31"
47"
580
370
852